WEEKLY BULLETINS OF
MASS. STATE BOARD OF HEALTH
1889

Weekly Return of Mortality

—OF—

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

Mass.; STATE BOARD OF HEALTH.

Weekly bulletin

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MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JANUARY 5, 1889.

Deaths reported to the State Board of Health in 18 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	ESTIMATED POPULATION.	Reported Deaths in Each.	Deaths under five years.	DEATHS FROM				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Diphtheria and Croup.	Measles.
Boston,	407,024	177	55	21	32	3	13	2
Worcester,	76,328	22	6	3	6	..	3	..
Lowell,	69,530	..	..	..	..	..	..	..
Cambridge,	64,079	..	..	..	..	..	..	..
Fall River,	61,203	32	11	8	6	2	2	2
Lynn,	51,467	23	..	3	3	1	..	2
Lawrence,	40,175	12	4	1	1	..	..	..
Springfield,	39,952	18	4	4	3	..	4	..
New Bedford,	36,298	11	3	1	..	1	..	..
Somerville,	33,307	11	..	4	..	1	2	..
Holyoke,	32,887	..	..	..	..	..	..	..
Salem,	28,781	10	0	..	2	..	..	..
Chelsea,	27,552	..	..	..	..	..	..	..
Haverhill,	24,979	11	1	1	1	..	..	1
Taunton,	24,796	8	0	..	4	..	..	..
Brockton,	24,784	..	..	..	..	..	..	..
Gloucester,	23,187	..	..	..	..	..	..	..
Newton,	21,105	6	0	1	1	..	1	..
Malden,	18,932	7	5	1	..	1	..	..
Fitchburg,	17,534	..	..	..	..	..	..	..
Waltham,	16,651	6	2	2	..	..	1	..
Newburyport,	13,839	8	1	3	1	..	2	..
Northampton,	13,419	..	..	..	..	..	..	..
Pittsfield,	15,204	5	1	1	..	..	1	..
Attleborough,	14,867	..	..	..	..	..	..	..
Quincy,	13,336	3	0	..	..	..	..	..
Woburn,	12,554	..	..	..	..	..	..	..
Marlborough,	11,922	..	..	..	..	..	..	..
Chicopee,	11,910	..	..	..	..	..	..	..
Weymouth,	11,040	..	..	..	..	..	..	..
Brookline,	10,238	3	1	1	..	..	1	..
Peabody,	10,050	..	..	..	..	..	..	..

RECAPITULATION.

	POPULATION.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Diphtheria and Croup.	Measles.
Total of reporting towns,	933,615	373	94	55	60	9	30	7

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1889

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 18 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-five deaths were reported from the principal infectious diseases: diphtheria and croup, 30; diarrhœal diseases, 9; measles, 7; typhoid fever, 7; cerebro-spinal meningitis, 2.

No deaths were reported from small-pox, scarlet-fever, whooping-cough and malarial fevers.

There were 60 deaths from consumption; acute lung diseases, 59; still-births, 19.

From typhoid fever: Boston, 3; Fall River, 2; Waltham and Newburyport, 1 each. From cerebro-spinal meningitis: Lawrence and Somerville, 1 each.

Deaths from the principal infectious diseases numbered 55 against 43 for the preceding week.

Deaths under five years of age numbered 94 against 122 for the preceding week.

Cases reported in Boston: diphtheria, 34; measles, 23; scarlet-fever, 10; and typhoid fever, 10.

The death-rates for the week were: Boston, 22.65; Worcester, 14.96; Lowell, ——; Cambridge, ——; Fall River, 27.20; Lynn, 23.23; Lawrence, 15.48; Springfield, 23.40; New Bedford, 15.62; Somerville, 17.16; Holyoke, ——; Salem, 18.00; Chelsea, ——; Haverhill, 20.80; Taunton, 16.72; Brockton, ——; Gloucester,——; Newton, 14.76: Malden, 19.18; Fitchburg, ——; Waltham, 18.72; Newburyport, 30.00; Northampton, ——; Quincy, 11.67.

The total death-rate for the week was 20.80 against 20.91 and 18.64 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Jan. 5, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.		MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Dec. 30,	30.50	37.0	45.0	31.0	53	52		52.0	W.	S. W.		11	12		C.	C.			.00
Monday, 31,	30.03	44.5	51.0	38.0	59	67		62.0	S. W.	W.		12	9		O.	F.			.00
Tuesday, Jan. 1,	29.89	36.5	51.0	34.8	57	64		60.0	W.	W.		13	12		F.	C.			.00
Wednes'y, 2,	29.92	38.0	44.0	33.3	60	52		56.0	W.	N. W.		9	6		O.	O.			.00
Thursday, 3,	30.16	38.0	42.0	35.4	53	66		60.0	N. W.	S. W.		3	16		O.	C.			.00
Friday, 4,	30.18	40.0	52.0	36.3	75	73		74.0	W.	O		9	0		O.	O.			.00
Saturday, 5,	30.26	39.5	53.0	35.1	88	83		86.0	N. E.	N. E.		12	24		O.	O.			.00
Week, - -	30.13		48.0	33.0				64.0											

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MAY 18 1923

STATE HOUSE, BOSTON
Mass. Dept. of Health Lib.

MONTHLY MORTALITY

In the 19 smaller towns of Massachusetts as reported to the State Board of Health for the month of December.

The total death-rate of reporting towns for the month was 13.13.

TOWNS.	Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from					
				Infectious Diseases.	Consumption.	Acute Lung Diseases.	Diarrhœal Diseases.		
Hyde Park,	9,190	..	..	..	..	..	..	..	
Plymouth,	7,534	5	0	..	2	..	..	..	
Wakefield,	6,642	1	1	..	..	..	..	..	
Andover,	5,927	..	..	..	..	..	..	..	
Stoneham,	5,890	..	..	..	..	..	..	..	
Middleborough,	5,206	9	2	..	1	..	..	..	
Revere,	5,113	..	..	..	..	..	..	..	
Arlington,	4,903	..	..	..	..	..	..	..	
West Springfield,	4,700	..	..	..	..	..	..	..	
Provincetown,	4,534	9	1	..	2	..	..	..	
Winchester,	4,420	7	1	..	1	..	..	..	
Hingham,	4,331	3	1	..	..	..	..	..	
Amherst,	4,282	..	..	..	..	..	..	..	
Concord,	4,162	5	1	..	2	..	..	..	
Braintree,	4,114	..	..	..	..	..	..	..	
Whitman,	3,825	..	..	..	..	..	..	..	
Randolph,	3,807	..	..	..	..	..	..	..	
Northbridge,	3,786	..	..	..	..	..	..	..	
No. Andover,	3,509	..	..	..	..	..	..	..	
Leicester,	3,407	2	1	..	1	1	..	..	
Mansfield,	3,009	7	0	..	..	1	..	..	
Fairhaven,	2,915	..	..	..	..	..	..	..	
Nantucket,	2,912	..	..	..	..	..	..	..	
Wrentham,	2,802	..	..	..	..	..	..	..	
Swampscott,	2,459	4	2	..	..	2	..	..	
Merrimac,	2,454	..	..	..	..	..	..	..	
Chelmsford,	2,304	..	..	..	..	..	..	..	
Dalton,	2,240	..	..	..	..	..	..	..	
Cohasset,	2,230	1	0	..	..	..	..	..	
Ashburnham,	2,058	..	..	..	..	..	..	..	
Groton,	2,037	1	0	..	..	..	..	..	
Northborough,	2,033	..	..	..	..	..	..	..	
Longmeadow,	1,787	..	..	..	..	..	..	..	
Conway,	1,573	2	0	..	..	..	..	..	
Shrewsbury,	1,400	..	..	..	..	..	..	..	
Huntington,	1,287	1	0	..	1	..	..	..	
Truro,	972	2	0	..	..	..	..	..	
Bolton,	876	1	0	..	..	..	..	..	
Burlington,	604	1	0	..	..	..	..	..	
Everett,	6,224	9	1	1	..	..	1	..	
Hudson,	4,096	6	0	..	..	2	..	..	
Total of reporting towns,	69,603	76	11	1	10	6	1		

Jan 12, 1

Weekly Return of Mortality

—OF—

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JANUARY 12, 1889.

Deaths reported to the State Board of Health in 19 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	180	54	17	32	2	1	12
Worcester,	78,292	29	10	4	2	..	1	1
Lowell,	71,518	37	10	4	3	2	1	1
Cambridge,	65,552	16	4	..	4	..	..	..
Fall River,	62,647	30	10	4	3	..	..	..
Lynn,	53,344	13	..	2	3	..	..	..
Lawrence,	40,619	..	..	..	..	..	..	..
Springfield,	40,731	13	7	4	1	..	1	3
New Bedford,	37,253	7	1	..	1	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Salem,	29,011	10	3	1	2	..	..	1
Chelsea,	28,167	16	5	1	1	..	..	1
Haverhill,	26,058	5	2	1	..	..	1	..
Taunton,	25,170	5	1	..	..	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Gloucester,	24,263	..	..	..	..	..	..	..
Newton,	21,553	2	0	..	..	..	..	..
Malden,	19,774	3	3	..	..	..	..	..
Fitchburg,	17,534	..	..	..	..	..	..	..
Waltham,	17,332	7	3	..	1	..	..	..
Newburyport,	13,875	2	1	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Pittsfield,	15,501	7	1	..	1	..	..	..
Attleborough,		..	..	..	..	..	..	..
Quincy,	13,728	3	0	..	..	..	..	..
Woburn,		..	..	..	..	..	..	..
Marlborough,		..	..	..	..	..	..	..
Chicopee,	12,041	5	2	1	..	..	1	..
Weymouth,		..	..	..	..	..	..	..
Brookline,		..	..	..	..	..	..	..
Peabody,		..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Diphtheria and Croup.	Typhoid Fever.
Total of reporting towns,	1,045,094	390	117	39	54	4	6	19

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 19 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-nine deaths were reported from the principal infectious diseases: diphtheria and croup, 19; typhoid fever, 6; diarrhœal diseases, 4; whooping-cough, 3; measles, 2; scarlet-fever, 2.

No deaths were reported from small-pox, malarial fever, and puerperal fever.

There were 54 deaths from consumption; acute lung diseases, 43, and still-births, 18.

From whooping-cough: Worcester, 2; Boston, 1. From measles: Boston and Lynn, 1 each. From scarlet-fever: Fall River, 2.

Deaths from the principal infectious diseases numbered 39 against 55 for the preceding week.

Deaths under five years of age numbered 117 against 94 for the preceding week.

Cases reported in Boston: diphtheria, 48: measles, 40; typhoid fever, 9; and scarlet-fever, 8.

The death-rates for the week were: Boston, 22.66; Worcester, 19.13; Lowell, 26.90; Cambridge, 12.99; Fall River, 24.74; Lynn, 12.67; Lawrence, ——; Springfield, 16.59; Somerville, ——; New Bedford, 9.77; Holyoke, ——; Salem, 17.92; Chelsea, 29.57; Haverhill, 9.98; Taunton, 10.32; Brockton, ——; Gloucester,——; Newton, 4.82; Malden, 7.88; Fitchburg, ——; Waltham, 6.00; Newburyport, 7.42; Northampton, ——; Quincy, 11.36.

The total death-rate for the week was 19.41 against 20.80 and 20.91 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 12, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 6,	29.83	40.0	41.0	37.0	92	100	96.0	N. E.	N. E.	45	24	R.	R.	20.15	1.76
Monday, 7,	29.43	41.0	42.0	39.0	92	92	92.0	N.	N. W.	24	24	R.	R.	24.00	.90
Tuesday, 8,	29.77	42.5	49.0	38.0	60	70	65.0	N. W.	N. W.	14	5	C.	F.	3.40	.02
Wednes'y, 9,	29.62	50.0	60.0	36.0	76	100	88.0	S.	S.	4	31	O.	R.	8.20	.20
Thursday, 10,	29.68	38.5	45.0	38.0	63	50	56.0	S. W.	W.	29	24	C.	C.	2.15	.01
Friday, 11,	30.08	34.5	42.0	33.0	63	54	58.0	S. W.	W.	16	11	C.	C.		.00
Saturday, 12,	30.28	31.0	40.0	29.0	58	80	69.0	W.	W.	12	10	C.	C.		.00
Week, - -	29.81		45.0	36.0			75.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JANUARY 19, 1889.

Deaths reported to the State Board of Health in 19 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	185	55	28	37	1	3	20
Worcester,	78,292	31	15	1	9	..	..	1
Lowell,	71,518	32	11	3	5	1	1	1
Cambridge,	65,552	22	8	4	3	..	..	2
Fall River,	62,647	25	12	1	4	1	..	..
Lynn,	53,334	16	..	2	..	..	..	1
Lawrence,	40,619	18	7	4	2	1	1	..
Springfield,	40,731	..	..	..	..	..	..	..
New Bedford,	37,253	10	4	..	1	..	..	..
Somerville,	34,418	2	0	..	..	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Salem,	29,011	10	3	1	..	..	..	1
Chelsea,	28,167	9	0	..	1	..	..	..
Haverhill,	26,058	..	..	..	..	..	..	..
Taunton,	25,170	7	2	..	1	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Gloucester,	24,263	..	..	..	..	..	..	..
Newton,	21,553	4	1	2	..	..	..	2
Malden,	19,774	5	2	2	1	..	1	1
Fitchburg,	17,534	4	1	..	..	..	..	..
Waltham,	17,332	5	2	..	1	..	..	..
Newburyport,	13,875	4	0	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Pittsfield,	15,502	5	1	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Quincy,	13,728	3	1	..	2	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,		..	..	..	..	..	..	..
Brookline,		..	..	..	..	..	..	..
Peabody,		..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Typhoid Fever.
Total of reporting towns,	1,058,846	397	125	48	67	4	6	29

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 19 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-eight deaths were reported from the principal infectious diseases: diphtheria and croup, 29; typhoid fever, 6; diarrhœal diseases, 4; whooping-cough, 4; scarlet-fever, 3; measles, 2.

No deaths were reported from small-pox, erysipelas, and malarial fevers.

There were 67 deaths from acute lung diseases; consumption, 53; still-births, 28.

From whooping-cough: Boston and Cambridge, 2 each. From scarlet-fever: Boston, 2; Lawrence, 1. From measles: Lynn and Lawrence, 1 each.

Deaths from the principal infectious diseases numbered 48 against 39 for the preceding week.

Deaths under five years of age numbered 125 against 117 for the preceding week.

Cases reported in Boston: measles, 38; diphtheria, 35; scarlet-fever, 10; and typhoid fever, 7.

The death-rates for the week were: Boston, 23.25; Worcester, 20.46; Lowell, 23.26; Cambridge, 17.38; Fall River, 20.75; Lynn, 15.60; Lawrence, 22.86; Springfield, ——; Somerville, 3.02; New Bedford, 13.90; Holyoke, ——; Salem, 17.90; Chelsea, 16.29; Haverhill, ——; Taunton, 14.42; Brockton, ——; Gloucester, ——; Newton, 9.84; Malden, 13.10; Fitchburg, 11.84; Waltham, 15.00; Newburyport, 14.96; Northampton, ——; Quincy, 11.34.

The total death-rate for the week was 19.49 against 19.41 and 20.80 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Jan. 19, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 13,	30.37	30.0	40.0	25.0	71	85	78.0	N.W.	S.		2	6		C.	C.			.00
Monday, 14,	30.35	28.5	36.0	27.0	89	84	86.0	N.	N.W.		13	12		F.	C.			.00
Tuesday, 15,	30.39	27.5	38.0	20.0	54	76	65.0	N.W.	W.		10	10		C.	C.			.00
Wednes'y, 16,	30.26	36.5	43.0	28.0	62	88	75.0	S.W.	S.		4	8		O.	O.			.00
Thursday, 17,	29.69	54.5	58.0	40.0	88	79	84.0	S.W.	S.W.		30	19		R.	O.		21.00	.35
Friday, 18,	29.89	37.0	45.0	36.0	74	74	74.0	W.	W.		12	12		C.	C.			.00
Saturday, 19,	30.35	21.2	28.0	15.0	50	67	58.0	N.W.	N.W.		24	14		C.	C.			.00
Week, - -																		

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of December: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	145	84	229	Molasses,	..	..	..
Butter,	18	12	30	Honey,	1	1	2
Cheese,	1	..	1	Vinegar,	..	..	..
Lard,	..	..	..	Canned Goods,	..	..	..
Olive Oil,	..	..	..	Tea,	..	..	..
Spices,	46	14	60	Coffee,	1	..	1
Cream of Tartar,	13	1	14	Confectionery,	..	..	..
Syrups,	..	..	..	Other articles of Food or Drinks,	2	3	5
Maple Syrup,	4	1	5	Drugs,	4	1	5
Maple Sugar,	..	..	..	Totals,	235	117	352

Percentage of adulteration, 33.2. This does not represent the actual ratio of adulteration of articles of food, since the work of the Board is mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

The samples of food represented in the table given above were obtained in the cities and towns of Boston, Cambridge, Chelsea, Somerville, Lawrence, Haverhill, Quincy, Millbury, Pittsfield, Worcester, Taunton, New Bedford and Fall River.

Fourteen complaints were entered in the courts for violation of the laws relating to the adulteration of milk and milk-products, of which eleven were for fraudulent sales of butter, and three for sales of adulterated milk. In nine cases which have come to trial, eight were found guilty and one was acquitted. In four cases the fines were paid, and in four the parties appealed. In the remaining five the cases are still pending.

One case of injurious adulteration was met with during the month. Several bottles of beverages, consisting of lemon syrup and other drinks, were sent to the Board from North Adams, for analysis. It was claimed that the use of such beverages had been productive of lead-poisoning. These bottles were provided with stoppers, which were found to contain lead, as did also the liquids contained in the bottles. Notice of this fact was immediately sent to the parties selling these articles.

Weekly Return of Mortality

—OF—

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JANUARY 26, 1889.

Deaths reported to the State Board of Health in 18 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Erysipelas.	Diphtheria and Croup.
Boston,	413,567	198	65	25	32	3	4	14
Worcester,	78,292	23	16	7	3	..	1	4
Lowell,	71,518	27	11	2	3	1	..	1
Cambridge,	65,552	19	9	2	1	..	..	2
Fall River,	62,647	30	10	5	7	1	1	..
Lynn,	53,334	10	..	..	2	..	..	..
Lawrence,	40,619	13	4	1	3	..	..	..
Springfield,	40,731	..	..	..	..	..	..	..
New Bedford,	37,253	13	3	1	1	..	..	..
Somerville,	34,418	6	1	..	..	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Salem,	29,011	16	8	3	2	..	..	3
Chelsea,	28,167	7	2	..	..	..	..	..
Haverhill,	26,058	5	1	..	1	..	..	..
Taunton,	25,170	4	0	..	2	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Gloucester,	24,263	..	..	..	..	..	..	..
Newton,	21,553	9	4	5	..	..	..	5
Malden,	19,774	4	0	1	1	..	1	..
Fitchburg,	17,534	4	2	..	..	..	..	..
Waltham,	17,332	..	..	..	..	..	..	..
Newburyport,	13,875	..	..	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Pittsfield,	15,502	..	..	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Quincy,	13,728	3	1	..	1	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	6	2	..	2	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,220	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Erysipelas.	Diphtheria and Croup.
Total of reporting towns,	1,050,236	397	139	52	61	5	6	29

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 18 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-two deaths were reported from the principal infectious diseases: diphtheria and croup, 29; erysipelas, 6; diarrhœal diseases, 5; typhoid fever, 5; whooping-cough, 2; cerebro-spinal meningitis, 2; scarlet-fever, 2; measles, 1.

There were 61 deaths from consumption; acute lung diseases, 54; still-births, 24.

No deaths were reported from small-pox and malarial fevers.

From whooping-cough: Boston, 2. From cerebro-spinal meningitis: Boston and Worcester, 1 each. From scarlet-fever: Fall River, 2. From measles: Worcester, 1.

Deaths from the principal infectious diseases numbered 52 against 48 for the preceding week.

Deaths under five years of age numbered 139 against 125 for the preceding week.

Cases reported in Boston: diphtheria, 44; measles, 39; scarlet-fever, 15; and typhoid fever, 8.

The death-rates for the week were: Boston, 24.89; Worcester, 15.18; Lowell, 19.63; Cambridge, 15.01; Fall River, 24.90; Lynn, 9.75: Lawrence, 16.51; Springfield, ——; New Bedford, 18.07; Somerville, 9.06; Holyoke, ——; Salem, 28.64; Chelsea, 12.67; Haverhill, 9.95; Taunton, 8.24; Brockton, ——; Gloucester, ——; Newton, 21.74; Malden, 10.48; Fitchburg, 11.84; Waltham, ——; Newburyport, ——; Northampton, ——; Quincy, 11.34.

The total death-rate for the week was 19.65 against 19.49 and 19.41 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Jan. 26, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 20,	30.52	18.5	39.0	9.0	56	66	61.0	N. W.	S. E.	9	13	C.	O.		.00
Monday, 21,	29.50	34.5	47.0	25.1	92	58	75.0	S. E.	W.	24	24	R.	C.	12.10	.38
Tuesday, 22,	30.29	23.5	32.0	19.9	45	53	49.0	W.	W.	13	8	C.	C.		.00
Wednes'y, 23,	30.58	28.0	40.0	20.0	67	67	67.0	N. W.	S.	3	6	C.	C.		.00
Thursday, 24,	30.30	40.5	50.0	32.0	74	74	74.0	S. W.	S. W.	7	12	O.	R.	2.15	T.
Friday, 25,	30.16	37.0	46.0	33.1	72	58	65.0	W.	S. W.	5	7	C.	C.	0.15	T.
Saturday, 26,	30.01	38.6	48.0	33.5	69	47	58.0	W.	S. W.	12	7	O.	O.		.00
Week, - -	30.19		31.6	25.4			64.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

OF

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING FEBRUARY 2, 1889.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Measles.	Scarlet Fever.
Boston,	413,567	188	70	29	32	18	2	..
Worcester,	78,292	23	11	3	2	2	1	..
Lowell,	71,518	36	19	4	2	2	..	..
Cambridge,	65,552	17	5	6	3	3	1	..
Fall River,	62,647	25	13	6	1	1	..	5
Lynn,	53,334	9	0	1	..	..	..	..
Lawrence,	40,619	22	8	2	1	1	..	..
Springfield,	40,731	13	1	4	3	3	..	..
New Bedford,	37,253	13	3	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Salem,	29,011	11	4	4	..	4	..	..
Chelsea,	28,167	15	0	1	1	..	..	..
Haverhill,	26,058	2	0	..	1	..	..	..
Taunton,	25,170	8	3	1	1	1	..	..
Brockton,	28,813	5	0	..	1	..	..	..
Gloucester,	24,263	..	..	..	..	..	..	..
Newton,	21,553	8	3	3	1	3	..	..
Malden,	19,774	6	1	..	..	..	..	..
Fitchburg,	17,534	2	0	..	..	..	..	..
Waltham,	17,332	2	1	..	..	..	..	..
Newburyport,	13,875	3	1	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Pittsfield,	15,502	3	0	..	1	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Quincy,	13,728	8	1	1	4	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	1	0	..	..	..	..	..
Peabody,	10,220	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diphtheria and Croup.	Measles.	Scarlet Fever.
Total of reporting towns,	1,130,378	420	144	55	54	38	4	5

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-five deaths were reported from the principal infectious diseases: diphtheria and croup, 38; scarlet-fever, 5; measles, 4; whooping-cough, 3; diarrhœal diseases, 4; erysipelas, 3; typhoid fever, 4; malarial fever, 1; puerperal fever, 1.

No deaths were reported from small-pox.

There were 54 deaths from acute lung diseases: consumption, 58: still-births, 34.

From diarrhœal diseases: Boston, 4. From whooping-cough: Cambridge, 2; Lynn, 1. From erysipelas: Boston, 2; Lowell, 1. From typhoid-fever: Boston, Lowell, Lawrence and Springfield, 1 each. From malarial fever: Quincy, 1. From puerperal fever: Boston, 1.

Deaths from the principal infectious diseases numbered 55 against 52 for the preceding week.

Deaths under five years of age numbered 144 against 139 for the preceding week.

Cases reported in Boston: measles, 59; diphtheria, 39: scarlet-fever, 8; and typhoid fever, 5.

The death-rates for the week were: Boston, 23.63; Worcester, 15.18; Lowell, 26.47; Cambridge, 13.43; Fall River, 20.75; Lynn, 8.79; Lawrence, 27.34; Springfield, 16.59; New Bedford, 18.07: Somerville, ——; Holyoke, ——; Salem, 19.69: Chelsea, 27.15; Haverhill, 3.98; Taunton, 16.48; Brockton, 9.00; Gloucester, ——; Newton, 19.68; Malden, 15.72: Fitchburg, 3.96; Waltham, 6.00; Newburyport, 11.22; Northampton, ——; Quincy, 24.24.

The total death-rate for the week was 19.32 against 19.65 and 19.49 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 2, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, JAN. 27,	29.54	36.5	40.0	34.0	90	92	91.0	N. E.	N. E.	12	24	R.	R.	12.45	.39
Monday, 28,	29.24	37.5	43.0	29.0	80	59	70.0	S. W.	N.	20	7	C.	O.	5.20	.10
Tuesday, 29,	29.51	24.0	28.0	22.0	65	73	69.0	W.	W.	14	18	F.	C.	4.48	T.
Wednes'y, 30,	30.11	22.5	28.0	14.0	53	78	66.0	N. W.	S. W.	10	4	O.	C.		.00
Thursday, 31.	30.01	37.5	45.0	26.0	75	88	82.0	S. E.	S.	13	11	O.	C.	0.05	T.
Friday, FEB. 1,	29.75	29.5	38.0	24.0	72	75	74.0	N.W.	W.	12	19	O.	C.	2.40	.02
Saturday, 2,	29.77	26.5	35.0	18.0	72	71	72.0	S. W.	S. W.	12	12	O.	C.		.00
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 20 smaller towns of Massachusetts as reported to the State Board of Health for the month of January.

The total death-rate of reporting towns for the month was 10.29.

TOWNS.	Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from					
				Infectious Diseases.	Consumption.	Cerebro-spinal Meningitis.	Scarlet Fever.	Measles.	
Hyde Park,	9,190	..	..	..	..	..	..	..	
Plymouth,	7,534	..	..	..	..	..	..	..	
Wakefield,	6,382	2	1	..	..	..	..	..	
Andover,	5,985	4	0	..	4	..	..	..	
Stoneham,	5,890	..	..	..	..	..	..	..	
Middleborough,	5,219	8	1	1	1	..	1	..	
Provincetown,	4,580	2	1	1	..	..	..	..	
Winchester,	5,125	2	0	..	1	..	..	..	
Hingham,	4,375	3	0	..	..	..	..	..	
Revere,	5,113	..	..	..	..	..	..	..	
Arlington,	4,903	..	..	..	..	..	..	..	
West Springfield,	4,700	..	..	..	..	..	..	..	
Amherst,	4,282	..	..	..	..	..	..	..	
Concord,	4,311	5	2	..	..	..	..	..	
Braintree,	4,114	..	..	..	..	..	..	..	
Whitman,	3,825	..	..	..	..	..	..	..	
Randolph,	3,807	2	0	..	2	..	..	..	
Northbridge,	3,786	..	..	..	..	..	..	..	
No. Andover,	3,509	..	..	..	..	..	..	..	
Leicester,	2,987	4	0	1	1	1	..	..	
Mansfield,	3,009	..	..	..	..	..	..	..	
Fairhaven,	2,915	..	..	..	..	..	..	..	
Nantucket,	3,142	3	0	..	..	..	..	..	
Wrentham,	2,802	..	..	..	..	..	..	..	
Swampscott,	2,630	2	0	..	..	..	..	..	
Merrimac,	2,461	5	0	1	..	..	..	1	
Chelmsford,	2,304	2	1	1	..	..	1	..	
Dalton,	2,240	..	..	..	..	..	..	..	
Cohasset,	2,224	2	0	..	..	..	..	..	
Ashburnham,	2,058	..	..	..	..	..	..	..	
Groton,	2,037	1	0	..	..	..	..	..	
Northborough,	2,033	..	..	..	..	..	..	..	
Longmeadow,	1,787	..	..	..	..	..	..	..	
Conway,	1,573	..	..	..	..	..	..	..	
Shrewsbury,	1,450	1	0	..	..	..	..	..	
Topsfield,	1,141	2	0	..	..	..	..	..	
Truro,	972	0	0	..	..	..	..	..	
Hudson,	578	3	2	..	..	..	..	..	
Heath,	575	3	2	2	..	2	..	..	
Burlington,	604	..	..	..	..	..	..	..	
Everett,	6,224	..	..	..	..	..	..	..	
Total of reporting towns,	62,285	56	10	7	9	3	2	1	

TYPHOID FEVER

ACETOZONE is one of the most remarkable germicides known to the materia medica. As an intestinal antiseptic no other agent is at once so potent, safe and generally efficient. Not less powerful than bichloride of mercury or carbolic acid, it is promptly destructive to germ life, yet is harmless to the human organism when taken internally in saturated aqueous solution. Competent authorities pronounce it the most important agent in typhoid fever ever brought to the attention of the medical profession.

Supplied in ounce, half-ounce and quarter-ounce bottles;
also in vials of 15 grains each, 6 vials in a box.

LITERATURE FREE ON REQUEST.

PARKE, DAVIS & COMPANY

SUMMER DIARRHOEAS OF INFANTS

are often caused or aggravated by the presence of readily fermentable sugars in the food.

ESKAY'S Albumenized FOOD

does not contain these, its sugar being milk sugar. As prepared for use, it contains, also, the soluble ferments naturally present in cow's milk, which makes the Food most easy of digestion by the growing child.

Pöhl and others (Hammarsten's Physiological Chemistry, 1900, 298, 444), have shown that the use of milk reduces or prevents intestinal putrefaction, and that this prevention is due chiefly to the milk sugar. It may be due, also, in part, to the soluble ferments of the milk.

Biologically and chemically, Eskay's Food is an ideal food for the growing child during the summer season.

SEND FOR SAMPLES AND LITERATURE TO

SMITH, KLINE & FRENCH CO., PHILADELPHIA

GARNIER-LAMOUREUX & CO.'S GRANULES of PROTOIODIDE OF MERCURY.

CAUTION: The genuine GARNIER-LAMOUREUX granules of Protoiodide of Mercury are made of one strength only.

"ONE CENTIGRAMME."

Sold only in round Bottles.

ENDORSED BY THE MEDICAL FACULTY.

Physicians when presoribing should specify

"THE GENUINE"

which are imported by

E. FOUGERA & COMPANY,

26-28-30 North William Street - - - NEW YORK

SANMETTO FOR GENITO-URINARY DISEASES.

A Scientific Blending of True Santal and Saw Palmetto In a Pleasant Aromatic Vehicle.

A Vitalizing Tonic to the Reproductive System.

SPECIALLY VALUABLE IN PROSTATIC TROUBLES OF OLD MEN--IRRITABLE BLADDER--CYSTITIS--URETHRITIS--PRE-SENILITY.

DOSE:—One Teaspoonful Four Times a Day. OD CHEM. CO., NEW YORK.

CHAUMEL'S OVULES

Suppositories, Crayons and Bougies

Of Solidified Glycerine, Plain and Medicated.

Sedative, Astringent, Antiseptic, Resolvent and Stimulant.

G. D. Great Diameter of Chaumel's Ovule.

Ve. Bladder.

Ur. Urethra.

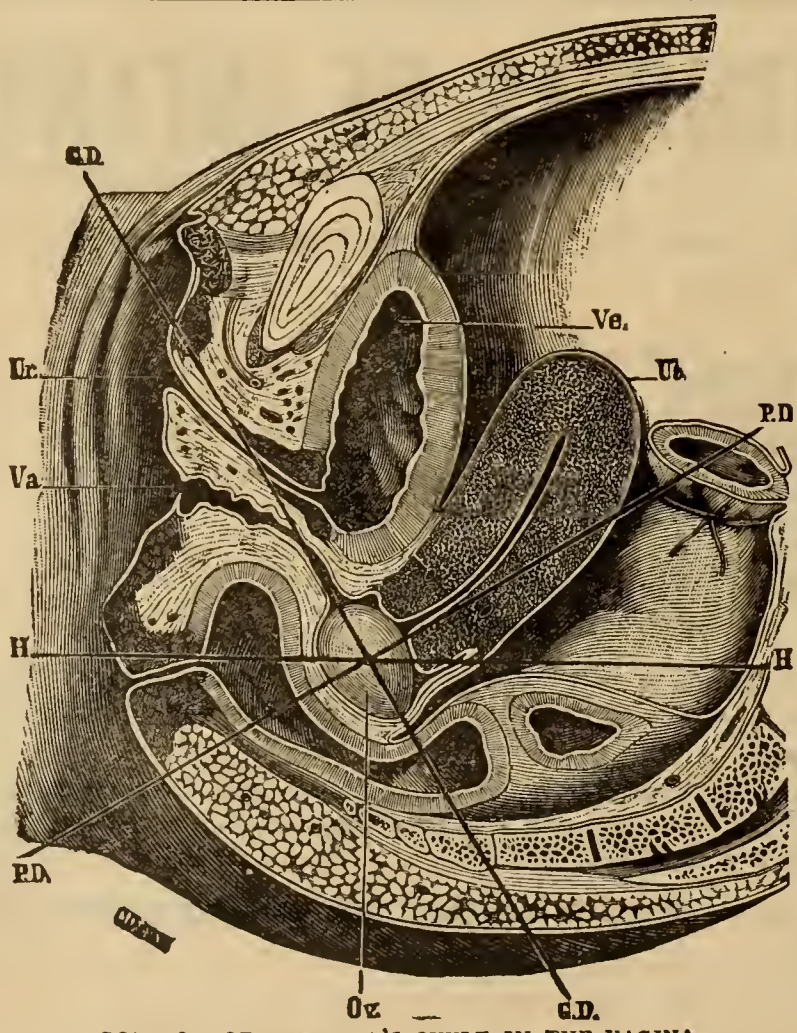
Ut. Uterus.

Va. Vagina.

H. Horizontal line.

P. D. Small Diameter of Ovule.

Ov. Chaumel's Ovule.



POSITION OF CHAUMEL'S OVULE IN THE VAGINA.

Chaumel's Ovules are the best as well as the most efficacious medicated pessaries for application in the treatment of diseases of women.

Practitioners prefer them to any other pessaries on account of the following advantages:

1st.— Ease of introduction.

2d.— Continuous, regular and complete solution in a few hours (8 to 10).

3d.— Osmotic and decongestive action — due to the glycerine.

4th.— Efficiency of treatment due to the gradual absorption of the medicament contained in Chaumel's Ovules.

Chaumel's Suppositories are well adapted for the cure of constipation, for the suppression of pains of the internal organs and for the absorption of medicinal elements in the treatment of all diseases.

Chaumel's Crayons and Bougies, aseptic, flexible and completely soluble, come in tubes hermetically sealed and escape all contamination.

E. FOUGERA & CO., NEW YORK.

CHAPOTEAUT'S

PURE
Peptone Wine
A Delicious Nutritive Stimulant

Dialysed Pepsine
Free from all impurities.
Dispensed in spherical pearls.

Morrhuol
(*Extractum Olei Morrhuæ Alcoholicum*)
Alkaloids and all Curative Principles of Cod Liver Oil
Dispensed in Capsules.

Morrhuol Créosoté
Dispensed in Capsules, each containing 3 minims of Morrhuol and 1 minim of pure beechwood Creosote.

Apioline
The true, active principle of parsley.
In capsules of 20 centigrammes each.
For Suppressed, Irregular or Painful Menstruation.

Ferrum Sanguinis
Semi-Crystalline Hæmoglobin from blood.
Does not constipate.

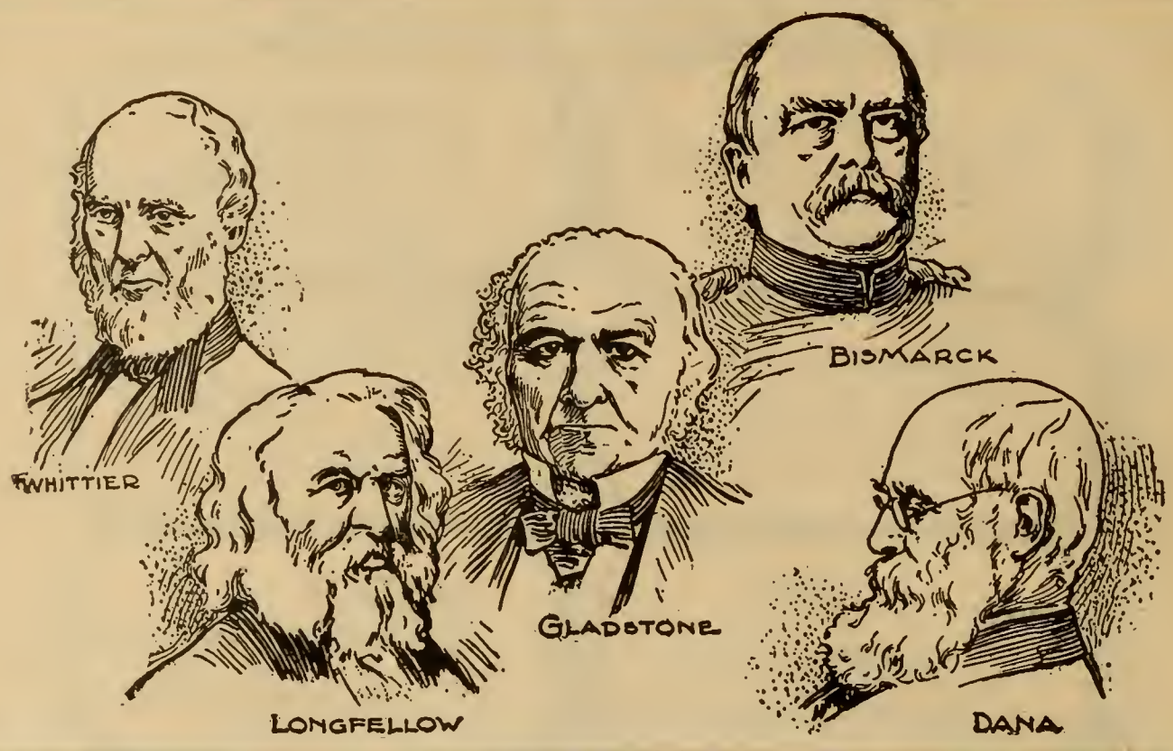
U.S. AGENTS **E. FOUGERA & CO.** NEW YORK.

GLYCOGEN
An Antitoxine and Stimulant of Phagocytosis

Dr. Jacques de Nittis has shown that Glycogen when administered *per os* or hypodermically, neutralizes toxines, reduces high temperature, regulates the cardiac functions and stimulates the phagocytes, thus assisting nature in its struggle with the pathogenic micro-organisms of disease.

Glycogen has been extensively and successfully used in typhoid fever and in erysipelas, the numerous forms of auto-intoxications, septic poisoning, morphinism, &c.

LITERATURE AND SAMPLES CAN BE OBTAINED FROM
E. FOUGERA & CO. 30 NORTH WILLIAM ST NEW YORK



A Therapeutic Aid of Tried Worth

that does not interfere with any specific medication, will be appreciated by the busy practitioner.

Pabst Extract

stimulates new growth and replaces waste tissue. In all patients in whom assimilation is below normal, *Pabst Extract* will be found valuable, whether used as a food when the stomach rebels at all other nutrients, as an adjuvant to hold the patient's strength while severe medication is imperative, or as a combined nutrient and stimulant during convalescence. No drug is incompatible with *Pabst Extract*, the great malt tonic. Its use as a therapeutic aid becomes a habit after the first trials.

PABST EXTRACT LABORATORY
MILWAUKEE, WIS.

Weekly Return of Mortality

—OF—

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING FEBRUARY 16, 1889.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	185	56	27	31	4	2	16
Worcester,	78,292	28	13	1	9	..	1	..
Lowell,	71,518	40	17	2	10	2	..	..
Cambridge,	65,552	22	7	3	..	..	..	1
Fall River,	62,647	32	11	4	6	..	..	3
Lynn,	53,334	13	0	..	1	..	..	..
Springfield,	40,731	17	4	3	3	..	..	3
Lawrence,	40,619	11	5	2	..	..	1	1
New Bedford,	37,253	10	2	1	..	..	..	1
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	13	2	1	..	..	..	1
Brockton,	28,813	9	2	2	..	..	..	2
Chelsea,	28,167	4	1	..	..	..	..	..
Haverhill,	26,058	3	1	..	1	..	..	..
Taunton,	25,170	8	1	1	..	..	..	1
Gloucester,	24,263	3	1	..	..	..	..	..
Newton,	21,553	11	3	1	1	..	..	1
Malden,	19,774	8	3	2	2	..	..	2
Fitchburg,	17,534	5	3	1	2	..	1	..
Waltham,	17,332	8	2	..	1	..	..	..
Pittsfield,	15,502	..	..	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	7	2	1	1	..	..	1
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	7	0	2	..	..	..	2
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	4	2	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,139,019	448	138	54	68	6	5	35

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-four deaths were reported from the principal infectious diseases: diphtheria and croup, 35; diarrhœal diseases, 6; typhoid fever, 5; measles, 4; scarlet-fever, 2; whooping-cough, 1; cerebro-spinal meningitis, 1.

No deaths were reported from small-pox, malarial fever and erysipelas.

There were 68 deaths from acute lung diseases; consumption, 61, and still-births, 29.

From measles: Boston, 4. From scarlet-fever: Cambridge and Fall River, 1 each. From cerebro-spinal meningitis: Boston, 1. From whooping-cough: Cambridge, 1.

Deaths from the principal infectious diseases numbered 54 against 43 for the preceding week.

Deaths under five years of age numbered 138 against 105 for the preceding week.

Cases reported in Boston: diphtheria, 29; measles, 83; scarlet-fever, 7; and typhoid fever, 6.

The death-rates for the week were: Boston, 23.25; Worcester, 18.48; Lowell, 29.20; Cambridge, 17.38; Fall River, 26.56; Lynn, 12.67; Springfield, 21.69; Lawrence, 13.97; New Bedford, 13.90; Holyoke, ——; Somerville, ——; Salem, 23.27; Brockton, 16.20; Chelsea, 7.24; Haverhill, 5.97; Taunton, 16.48; Gloucester, 6.42; Newton, 27.05; Malden, 20.96; Fitchburg, 14.80; Waltham, 24.00; Newburyport, 26.18; Northampton, ——; Quincy, 26.46; Woburn, ——.

The total death-rate for the week was 20.45 against 19.73 and 19.65 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Feb. 16, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 10,	30.09	27.5	35.0	26.0	65	57	61.0	W.	N.		11	2		O.	C.			.00
Monday, 11,	29.92	26.5	34.0	19.2	74	95	84.0	N. W.	N.		1	5		C.	N.		3.20	.03
Tuesday, 12,	29.64	25.5	30.0	23.1	89	80	84.0	N.	W.		10	12		N.	F.		21.50	.21
Wednes'y, 13,	29.62	13.0	19.0	11.5	64	75	70.0	W.	W.		12	14		C.	C.			.00
Thursday, 14,	29.85	21.0	31.0	12.2	56	76	66.0	W.	W.		12	12		C.	C.			.00
Friday, 15,	30.25	26.0	36.0	18.2	58	65	62.0	N. W.	N. W.		12	12		C.	C.			.00
Saturday, 16,	30.32	28.5	37.0	20.5	73	86	80.0	N. W.	E.		5	12		F.	R.		0.15	T.
Week, - -																		

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING FEBRUARY 23, 1889.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	195	59	21	32	2	4	13
Worcester,	78,292	32	10	1	13	..	..	1
Lowell,	71,518	25	12	5	3	3	..	2
Cambridge,	65,552	23	6	6	6	..	..	3
Fall River,	62,647	26	9	2	4	..	1	1
Lynn,	53,334	23	0	1	3	..	..	1
Springfield,	40,731	..	..	..	..	..	..	..
Lawrence,	40,619	15	2	2	..	1	1	..
New Bedford,	37,253	15	5	5	1	..	..	3
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	16	2	2	1	1	..	1
Brockton,	28,813	4	2	1	..	..	..	1
Chelsea,	28,167	11	0	1	3	..	..	..
Haverhill,	26,058	7	1	..	1	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	5	2	..	..	..	..	..
Newton,	21,553	11	1	3	1	..	2	1
Malden,	19,774	10	4	1	1	..	..	1
Fitchburg,	17,534	3	1	..	..	..	..	..
Waltham,	17,332	7	2	1	2	..	..	1
Pittsfield,	15,502	5	0	..	1	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	10	3	1	..	..	1	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	1	0	1	..	1	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	2	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,088,620	446	122	54	72	8	9	29

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND GREATER TOWNS OF MASSACHUSETTS.

Fifty-four deaths were reported from the principal infectious diseases: diphtheria and croup, 29; typhoid fever, 9; diarrhœal diseases, 8; whooping-cough, 3; erysipelas, 2; measles, 1; cerebro-spinal meningitis, 1; puerperal fever, 1.

No deaths were reported from small-pox, scarlet-fever, and malarial fever.

There were 72 deaths from acute lung diseases; consumption, 60, still-births, 23.

From whooping-cough: Cambridge, New Bedford, and Chelsea, 1 each. From erysipelas: Cambridge and New Bedford, 1 each. From measles: Boston, 1. From cerebro-spinal meningitis: Cambridge, 1.

Deaths from the principal infectious diseases numbered 54, the same as for the preceding week.

Deaths under five years of age numbered 122 against 138 for the preceding week.

Cases reported in Boston: measles, 80; diphtheria, 49; typhoid fever, 11; scarlet-fever, 7. In Fall River: measles, 20; and scarlet-fever, 11.

The death-rates for the week were: Boston, 24.51; Worcester, 21.12; Lowell, 18.17; Cambridge, 18.17; Fall River, 19.18; Lynn, 22.42; Lawrence, 19.05; Springfield, ——; New Bedford, 20.85; Somerville, ——; Holyoke, ——; Salem, 28.64; Chelsea, 19.91; Haverhill, 13.93; Taunton, ——; Brockton, 7.20; Gloucester, 10.70; Newton, 27.06; Malden, 26.20; Fitchburg, 8.88; Waltham, 21.00; Newburyport, 37.40; Northampton, ——; Quincy, 3.78.

The total death-rate for the week was 21.31 against 20.45 and 19.73 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Feb. 23, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 17,	29.77	42.0	50.0	33.8	100	85	92.0	N. E.	S. W.	5	13	G.	C.	14.15	.32
Monday, 18,	29.61	37.5	39.0	34.7	83	96	90.0	N. E.	N.	12	10	R.	R.	12.00	.37
Tuesday, 19,	29.88	30.0	36.0	25.2	58	42	50.0	W.	W.	34	19	C.	C.	1.50	.03
Wednes'y, 20,	30.39	24.5	31.0	21.5	61	42	52.0	W.	W.	16	13	C.	C.		.00
Thursday, 21,	30.65	25.0	32.0	17.5	51	48	50.0	W.	S. W.	12	6	C.	C.		.00
Friday, 22,	30.19	33.5	42.0	26.8	61	72	66.0	S. W.	S. W.	13	18	O.	C.		.00
Saturday, 23,	30.45	5.8	11.0	5.4	59	35	47.0	N.W.	W.	22	16	F.	C.		.00
Week, - -	30.13		33.0	38.0			64.0								

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING MARCH 2, 1889.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	197	61	19	39	1	..	13
Worcester,	78,292	29	27	3	9	..	..	2
Lowell,	71,518	29	13	5	5	3	1	..
Cambridge,	65,552	15	2	..	..	..	..	..
Fall River,	62,647	26	10	3	1	..	..	..
Lynn,	53,334	23	..	3	2	..	..	2
Springfield,	40,731	12	0	2	2	..	..	2
Lawrence,	40,619	20	5	5	4	1	3	1
New Bedford,	37,253	12	2	..	..	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	11	2	1	..	..	..	1
Brockton,	28,813	14	5	..	1	..	..	..
Chelsea,	28,167	6	2	..	..	..	..	..
Haverhill,	26,058	5	2	..	1	..	..	..
Taunton,	25,170	7	3	1	..	..	..	1
Gloucester,	24,263	3	1	..	1	..	..	..
Newton,	21,553	5	0	..	1	..	..	..
Malden,	19,774	10	1	1	1	..	..	1
Fitchburg,	17,534	2	1	..	..	..	..	..
Waltham,	17,332	6	1	..	..	..	..	..
Pittsfield,	15,502	6	2	1	1	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	8	1	1	..	..	..	1
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	1	0	1	..	..	1	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	3	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,154,621	450	141	46	68	5	5	24

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-six deaths were reported from the principal infectious diseases: diphtheria and croup, 24; diarrhœal diseases, 5; typhoid fever, 5; measles, 4; scarlet-fever, 4; cerebro-spinal meningitis, 4.

No deaths were reported from small-pox, malarial fevers and whooping-cough.

There were 68 deaths from acute lung diseases; consumption, 55; still-births, 30.

From measles: Boston, 3; Lynn, 1. From scarlet-fever: Fall River, 3; Boston, 1. From cerebro-spinal meningitis: Boston, Worcester, Lowell and Pittsfield, 1 each.

Deaths from the principal infectious diseases numbered 46 against 54 for the preceding week.

Deaths under five years of age numbered 141 against 122 for the preceding week.

Cases reported in Boston: measles, 167; diphtheria, 38: scarlet-fever, 13; and typhoid fever, 8.

The death-rates for the week were: Boston, 24.76; Worcester, 19.14; Lowell, 21.08; Cambridge, 11.55; Fall River, 21.58; Lynn, 22.43; Springfield, 15.31; Lawrence, 25.40; New Bedford, 16.68; Holyoke, ——; Somerville, ——; Salem, 19.67; Chelsea, 10.86; Brockton, 25.20; Haverhill, 9.95; Taunton, 14.42; Gloucester, 6.42; Newton, 12.30; Malden, 26.20; Fitchburg, 5.92; Waltham, 18.00; Newburyport, 29.92; Quincy, 3.78.

The total death-rate for the week was 20.27 against 21.31 and 20.45 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Mar. 2, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Feb. Sunday, 24,	30.76	8.5	18.0	.1	62	77	70.0	N.W.	S.	10	6	C.	C.		.00
Monday, 25,	30.65	17.0	24.0	12.0	76	44	60.0	N.W.	N.W.	9	11	O.	C.	3.30	.01
Tuesday, 26,	30.83	20.0	26.0	12.0	83	88	86.0	N.	N.E.	13	4	F.	T.	1.50	T.
Wednes'y, 27,	30.61	30.5	34.0	26.0	64	95	80.0	E.	S.E.	5	4	O.	N.	4.30	T.
Thursday, 28,	30.56	32.5	35.0	28.0	69	90	80.0	N.	N.W.	9	5	O.	C.	8.40	.01
March Friday, 1,	30.44	34.5	40.0	26.0	68	70	69.0	N.W.	S.E.	9	2	C.	C.		.00
Saturday, 2,	30.26	37.5	44.0	31.0	68	68	68.0	W.	E.	1	4	F.	O.		.00
Week, - -	30.59		30.0	19.0			73.0								

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 31 smaller towns of Massachusetts as reported to the State Board of Health for the month of February.

The total death-rate of reporting towns for the month was 15.85.

TOWNS.	POPULATION.	Reported Deaths in each.	Deaths under five years of age.	DEATHS FROM				
				Infectious Diseases.	Consumption.	Diphtheria and Croup.	Whooping-Cough.	Typhoid Fever.
Hyde Park,	9,468	2	0	..	2	..	..	..
Plymouth,	7,633	..	..	..	..	..	..	..
Wakefield,	6,382	..	..	..	..	..	..	..
Andover,	5,985	1	0	..	..	..	..	..
Stoneham,	5,957	5	0	..	1	..	..	..
Middleborough,	5,737	6	2	2	..	2	..	..
Revere,	5,113	5	0	2	..	2	..	..
Arlington,	5,039	..	..	..	..	..	..	..
West Springfield,	4,784	8	2	..	..	..	..	..
Provincetown,	4,580	11	3	1	2	..	..	1
Winchester,	5,098	5	2	..	..	..	..	..
Hingham,	4,375	9	3	..	..	..	..	..
Amherst,	4,310	..	..	..	..	..	..	..
Concord,	4,311	5	0	..	..	..	..	..
Braintree,	4,188	..	..	..	..	..	..	..
Whitman,	4,264	10	3	..	..	..	2	..
Randolph,	3,807	10	0	..	..	..	..	..
Northbridge,	3,786	..	..	..	..	..	..	..
No. Andover,	3,585	0	0	..	..	..	..	..
Leicester,	2,987	2	0	..	..	..	..	..
Mansfield,	3,064	4	1	..	1	..	..	..
Fairhaven,	2,915	4	0	..	2	..	..	..
Nantucket,	3,142	..	..	..	..	..	..	..
Wrentham,	2,852	2	0	1	1	..	..	..
Swampscott,	2,630	2	0	..	..	..	..	..
Merrimac,	2,461	1	0	1	..	..	..	1
Chelmsford,	2,304	..	..	..	..	..	..	..
Dalton,	2,240	2	0	..	..	..	..	..
Cohasset,	2,230	3	0	..	..	..	..	..
Ashburnham,	2,058	..	..	..	..	..	..	..
Groton,	2,037	4	0	..	..	..	..	..
Northborough,	2,095	2	0	..	1	..	..	..
Longmeadow,	1,777	2	1	..	1	..	..	..
Conway,	1,573	..	..	..	..	..	..	..
Shrewsbury,	1,400	2	0	..	..	..	..	..
Topsfield,	1,141	1	0	..	1	..	..	..
Truro,	972	0	0	..	..	..	..	..
Burlington,	604	2	0	..	..	..	..	..
Heath,	575	1	0	..	..	..	..	..
Wendell,	545	1	0	1	..	..	..	1
Hudson,	578	7	1	..	2	..	..	..
Total of reporting towns,	105,206	139	18	8	14	4	2	3

Weekly Return of Mortality

—OF—

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING MARCH 9, 1889.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	178	56	23	37	2	1	13
Worcester,	78,292	31	12	1	11	..	..	..
Lowell,	71,518	36	36	5	2	2	3	..
Cambridge,	65,552	18	18	2	1	..	1	1
Fall River,	62,647	28	9	4	2	1	1	..
Lynn,	53,334	15	15	..	1	..	..	..
Springfield,	40,731	26	26	2	3	..	..	2
Lawrence,	40,619	13	3	3	..	..	3	..
New Bedford,	37,253	6	2	1	1	..	1	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	10	1	..	..	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	10	3	1	1	..	..	1
Haverhill,	26,058	8	1	..	2	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	..	..	..	..	..	..	..
Newton,	21,553	7	2	1	1	..	..	1
Malden,	19,774	5	1	..	..	..	..	..
Fitchburg,	17,534	3	1	..	..	..	..	..
Waltham,	17,332	3	1	..	..	..	..	..
Pittsfield,	15,502	3	0	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	7	2	3	1	..	..	3
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	5	0	2	1	..	..	2
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	6	2	..	1	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	3	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,088,316	421	191	48	65	5	10	23

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-eight deaths were reported from the principal infectious diseases: diphtheria and croup, 23; typhoid fever, 10; diarrhœal diseases, 5; scarlet-fever, 4; measles, 2; whooping-cough, 2; cerebro-spinal meningitis, 1; erysipelas, 1.

No deaths were reported from small-pox and malarial fevers.

There were 65 deaths from acute lung diseases; consumption, 48; still-births, 25.

From scarlet-fever: Boston and Fall River, 2 each. From measles: Boston, 2. From whooping-cough, Boston, 2. From cerebro-spinal meningitis: Worcester, 1. From erysipelas: Boston, 1.

Deaths from the principal infectious diseases numbered 48 against 46 for the preceding week.

Deaths under five years of age numbered 191 against 141 for the preceding week.

Cases reported in Boston: measles, 140; diphtheria, 62; scarlet fever, 12; and typhoid fever, 3.

The death-rates for the week were: Boston, 22.37; Worcester, 20.46; Lowell, 26.17; Cambridge, 14.22; Fall River, 23.24; Lynn, 14.63; Springfield, 33.18; Lawrence, 16.51; New Bedford, 8.34; Somerville,——; Salem, 17.90; Brockton,——; Chelsea, 18.10; Haverhill, 15.92; Taunton,——; Gloucester,——; Newton, 17.22; Malden, 13.10; Fitchburg, 8.88; Waltham, 9.00; Newburyport, 26.18; Quincy, 18.90.

The total death-rate for the week was 20.11 against 20.27 and 21.13 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Mar. 9, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 3,	30.07	31.5	46.0	37.5	67	63	65.0	S.	S.	3	5	O.	F.		.00
Monday, 4,	29.80	38.5	42.0	37.2	79	87	83.0	E.	N. E.	6	13	O.	F.		.00
Tuesday, 5,	29.47	38.0	40.0	35.5	96	84	90.0	N. E.	N.	24	29	R.	R.	20.15	.32
Wednes'y, 6,	29.06	37.0	43.0	34.5	96	100	98.0	N.	N. W.	18	18	R.	N.	22.00	.25
Thursday, 7,	29.08	36.0	44.0	33.5	83	53	68.0	W.	W.	19	24	F.	C.	5.45	.07
Friday, 8,	29.35	30.5	36.0	27.5	65	47	56.0	W.	W.	20	19	O.	F.		.00
Saturday, 9,	29.44	30.5	36.0	27.8	58	69	64.0	W.	W.	24	19	O.	O.	4.00	T.
Week, - -	29.47		41.0	33.0			75.0							51.55	.64

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of February: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	113	39	152	Molasses,	..	..	..
Butter,	14	10	24	Honey,	4	4	8
Cheese,	2	..	2	Vinegar,	..	..	..
Lard,	..	9	9	Canned Goods,	1	..	1
Olive Oil,	1	3	4	Tea,	2	..	2
Spices,	18	7	25	Coffee,	1	..	1
Cream of Tartar,	9	1	10	Confectionery,	..	..	..
Syrups,	..	..	..	Other articles of Food and Drinks,	3	4	7
Maple Syrup,	6	3	9	Drugs,	27	8	35
Maple Sugar,	..	..	..	Totals,	201	88	289

Percentage of adulteration, 30.4. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

Thirteen complaints were entered in the courts during the month for violation of the laws relative to Food and Drug inspection, four of which related to butter, eight were for violations of the milk laws, and one for a sale of adulterated maple syrup.

In ten of these the parties were found guilty; in two cases the parties were acquitted; and in one the case is still pending.

Two of the complaints were entered against one party: in the one case for sale of adulterated milk, and in the other case for obstruction. In the former offence he was found guilty, and was acquitted on the latter charge.

Six of these cases were entered in Fall River, one in Worcester, one in Brockton, one in Clinton, one in Webster, one in Medford, one in Ashland, and one in Harvard.

Among the articles worthy of special notice, it was found that certain common brands sold as American olive oil, and marked "Loubon," "Guillaume" and "Seguin," and warranted, are merely cotton-seed oil.

Lemon Juice. — Samples purporting to be strained, "clarified" and preserved pure juice of the lemon, proved to be nothing more than weak solutions of citric acid.

Weekly Return of Mortality

—OF—

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING MARCH 16, 1889.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Boston,	413,567	198	56	27	32	2	13	2
Worcester,	78,292	20	7	2	6	..	1	..
Lowell,	71,518	22	5	3	4	1	..	1
Cambridge,	65,552	18	9	2	3	..	..	..
Fall River,	62,647	34	17	1	8	..	..	..
Lynn,	53,334	21	..	1	4	..	1	..
Springfield,	40,731	19	7	3	1	..	..	3
Lawrence,	40,619	16	6	1	..	1	..	..
New Bedford,	37,253	13	6	2	..	..	1	1
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	9	3	1	2	..	1	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	11	2	..	1	..	..	..
Haverhill,	26,058	3	0	..	1	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	9	0	..	1	..	..	..
Newton,	21,553	3	2	1	..	1	..	..
Malden,	19,774	14	6	2	6	..	1	..
Fitchburg,	17,534	3	1	..	..	..	..	..
Waltham,	17,332	4	0	..	..	..	..	..
Pittsfield,	15,502	5	0	1	1	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	2	0	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	7	2	2	..	..	1	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	2	0	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Total of reporting towns,	1,100,538	433	129	49	71	5	19	7

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-nine deaths were reported from the principal infectious diseases: diphtheria and croup, 19; typhoid fever, 5; scarlet-fever, 7; diarrhœal diseases, 4; measles, 3; whooping-cough, 3; puerperal fever, 3; cerebro-spinal meningitis, 3; erysipelas, 2.

No deaths were reported from small-pox and malarial fevers.

There were 71 deaths from acute lung diseases; consumption, 71; still-births, 26.

From diarrhœal diseases: Boston, 3; Lowell, 1. From measles: Boston, 3. From whooping-cough, Cambridge, 2; Fall River, 1. From puerperal fever: Boston, Malden and Pittsfield, one each. From cerebro-spinal meningitis: Boston, Worcester and Quincy, 1 each.

Deaths from the principal infectious diseases numbered 49 against 48 for the preceding week.

Deaths under five years of age numbered 129 against 191 for the preceding week.

Cases reported in Boston: measles, 145; diphtheria, 41; scarlet fever, 21; and typhoid fever, 11.

The death-rates for the week were: Boston, 24.88; Worcester, 13.20; Lowell, 15.99; Cambridge, 14.22; Fall River, 28.22; Lynn, 20.47; Springfield, 23.24; Lawrence, 20.32; New Bedford, 18.07; Holyoke, ——; Somerville,——; Salem, 16.11; Brockton,——; Chelsea, 19.91; Haverhill, 5.97; Taunton,——; Gloucester,19.26; Newton, 7.38; Malden, 36.68; Fitchburg, 8.88; Waltham, 12.00; Newburyport, 7.48; Northampton,——; Quincy, 26.46.

The total death-rate for the week was 20.46 against 20.11 and 20.27 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Mar. 16, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.		MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 10,	29.66	31.5	46.0	25.1	56	64		60.0	W.	N.W.		10	16		C.	O.			.00
Monday, 11,	29.86	31.5	41.0	26.7	58	71		64.0	N.W.	N.W.		12	13		O.	C.			.00
Tuesday, 12,	30.00	37.0	48.0	25.9	59	55		57.0	W.	W.		10	11		O.	C.			.00
Wednes'y, 13,	29.96	47.5	62.0	36.1	58	47		52.0	W.	S.W.		6	20		C.	C.			.00
Thursday, 14,	30.28	33.5	43.0	31.4	37	50		44.0	N.W.	S. E.		24	7		C.	C.			.00
Friday, 15,	30.21	35.5	38.0	31.0	68	77		42.0	N. E.	N.		16	18		O.	O.			.00
Saturday, 16,	29.96	37.0	40.0	35.2	69	96		82.0	N. E.	N. E.		24	36		O.	R.		2.50	.02
Week, - -	29.99		44.0	30.2				59.0											

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING MARCH 23, 1889.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	182	57	14	40	2	1	7
Worcester,	78,292	29	10	1	10	..	..	..
Lowell,	71,518	25	5	5	5	2	3	..
Cambridge,	65,552	28	12	4	5	..	..	3
Fall River,	62,647	30	13	3	3	1	..	..
Lynn,	53,334	16	0	1	2	..	..	..
Springfield,	40,731	12	4	..	1	..	..	..
Lawrence,	40,619	15	5	1	3	..	..	1
New Bedford,	37,253	..	..	..	..	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	16	..	2	2	..	..	1
Salem,	29,011	14	4	2	..	..	..	2
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	7	0	1	1	..	..	..
Haverhill,	26,058	7	1	1	2	..	..	1
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	4	2	1	..	..	..	1
Newton,	21,553	3	1	..	..	..	..	..
Malden,	19,774	9	4	..	2	..	..	..
Fitchburg,	17,534	3	2	..	..	..	..	..
Waltham,	17,332	5	2	..	..	..	..	..
Pittsfield,	15,502	3	1	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	..	..	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	6	1	2	..	..	..	2
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	5	2	1	2	..	1	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,083,928	419	126	39	78	5	5	18

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Thirty-nine deaths were reported from the principal infectious diseases: diphtheria and croup, 18; diarrhœal diseases, 5; typhoid fever, 5; cerebro-spinal meningitis, 4; whooping-cough, 3; measles, 3; scarlet-fever, 1; puerperal fever, 1.

No deaths were reported from small-pox and malarial fever.

There were 78 deaths from acute lung diseases; consumption, 60; still-births, 23.

From cerebro-spinal meningitis: Boston, Cambridge, Somerville and Gloucester, 1 each. From whooping-cough: Boston, Worcester and Chelsea, 1 each. From measles: Boston, 2; Fall River, 1. From scarlet fever: Fall River, 1. From puerperal fever: Lynn, 1.

Deaths from the principal infectious diseases numbered 39 against 49 for the preceding week.

Deaths under five years of age numbered 126 against 129 for the preceding week.

Cases reported in Boston: measles, 115; diphtheria, 34; scarlet fever, 15; and typhoid fever, 9.

The death-rates for the week were: Boston, 22.88; Worcester, 19.14; Lowell, 18.18; Cambridge, 22.12; Fall River, 24.90; Lynn, 15.60; Springfield, 15.31; Lawrence, 19.05; New Bedford, ——; Holyoke, ——; Somerville, 24.16; Salem, 21.14; Brockton,——; Chelsea, 12.67; Haverhill, 13.93; Taunton,——; Gloucester, 8.56; Newton, 7.38; Malden, 23.58; Fitchburg, 8.88; Waltham, 15.00; Newburyport, ——; Northampton,——; Quincy, 22.68; Woburn, ——.

The total death-rate for the week was 20.10 against 20.46 and 20.11 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Mar. 23, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 17,	29.90	35.0	36.0	33.0	100	86	93.0	N. E.	N. E.		24	18		R.	R.		24.00	.19
Monday, 18,	29.88	36.0	39.0	34.0	91	91	91.0	N.	E.		13	4		R.	R.		12.00	T.
Tuesday, 19,	29.84	38.0	41.0	34.0	91	83	87.0	N. E.	S. E.		5	3		O.	O.		9.20	.01
Wednes'y, 20,	29.86	37.0	38.0	33.0	69	82	76.0	N. E.	N. E.		24	24		O.	O.		0.24	T.
Thursday, 21,	29.90	36.0	39.0	33.0	72	96	84.0	N. E.	N. E.		34	16		O.	C.		2.25	T.
Friday, 22,	30.16	40.0	46.0	34.0	53	47	50.0	N. E.	E.		22	1		C.	C.			.00
Saturday, 23,	29.99	48.0	64.0	37.0	40	37	38.0	S. W.	W.		9	10		O.	C.			.00
Week, - -	29.93		43.0	34.0			74.0										52.9	.20

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

— OF —

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING MARCH 30, 1889.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Boston,	413,567	200	78	23	53	3	13	3
Worcester,	78,292	41	16	2	18	1	..	..
Lowell,	71,518	32	11	1	8	..	..	1
Cambridge,	65,552	25	8	4	1	..	1	..
Fall River,	62,647	23	9	3	3	..	2	1
Lynn,	53,334	17	3	2	3	..	1	..
Springfield,	40,731	12	2	4	1	2	2	..
Lawrence,	40,619	14	5	5	..	2	1	..
New Bedford,	37,253	15	7	2	4	..	2	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	7	1	3	5	..	1	1
Salem,	29,011	11	2	2	..	..	2	..
Brockton,	28,813	9	4	2	4	1	1	..
Chelsea,	28,167	10	0	..	1	..	..	..
Haverhill,	26,058	8	3	..	..	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	4	2	2	..	..	..	..
Newton,	21,553	9	1	1	1	..	1	..
Malden,	19,774	4	1	..	..	..	..	..
Fitchburg,	17,534	7	2	2	2	..	1	..
Waltham,	17,332	10	1	1	..	..	1	..
Pittsfield,	15,502	4	2	..	1	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	5	0	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	6	3	4	..	..	2	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	4	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Total of reporting towns,	1,163,769	477	161	63	105	9	31	6

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-three deaths were reported from the principal infectious diseases: diphtheria and croup, 31; typhoid fever, 9; scarlet-fever, 6; cerebro-spinal meningitis, 5; measles, 5; whooping-cough, 2; erysipelas, 2; diarrhœal diseases, 2; malarial fever, 1.

No deaths were reported from small-pox.

There were 105 deaths from acute lung diseases; consumption, 60; still-births, 16.

From cerebro-spinal meningitis: Quincy, 2; Boston, Gloucester and Fitchburg, 1 each. From measles: Bostou, 3; Cambridge, 2. From whooping-cough: Cambridge and Somerville, 1 each. From erysipelas: Lynn and Gloucester, 1 each. From diarrhœal diseases: Worcester and Lawrence, 1 each. From malarial fever, Lawrence, 1.

Deaths from the principal infectious diseases numbered 63 against 39 for the preceding week.

Deaths under five years of age numbered 161 against 126 for the preceding week.

Cases reported in Boston: measles, 136; diphtheria, 42; scarlet fever, 21; and typhoid fever, 11.

The death-rates for the week were: Boston, 25.14; Worcester, 27.06; Lowell, 32.64; Cambridge, 19.75; Fall River, 19.09; Lynn, 16.58; Springfield, 15.24; Lawrence, 17.78; New Bedford, 20.85; Holyoke, ——; Somerville, 10.57; Salem, 19.69; Brockton, 16.20; Chelsea, 18.10; Haverhill, 15.92; Taunton,——; Gloucester, 8.56; Newton, 22.14; Malden, 10.48; Fitchburg, 20.72; Waltham, 30.00; Newburyport, 18.70; Northampton,——; Quincy, 22.68; Woburn,——.

The total death-rate for the week was 21.31 against 20.10 and 20.46 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Mar. 30, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 24,	29.72	51.0	64.0	42.0	42	28	35.0	W.	S. W.	12	12	C.	C.		.00
Monday, 25,	29.70	40.0	52.0	36.0	51	52	52.0	N.	N.	16	6	O.	C.		.00
Tuesday, 26,	30.04	30.0	36.0	22.0	47	72	60.0	N.	S.	9	8	C.	C.		.00
Wednes'y, 27,	30.01	44.0	54.0	33.0	63	66	64.0	S.	S.	12	7	F.	O.		.00
Thursday, 28,	29.78	46.0	54.0	34.0	81	80	80.0	S. W.	N. W.	9	8	O.	O.	3.55	.12
Friday, 29,	29.95	39.0	51.0	31.0	50	73	62.0	W.	S. W.	12	21	C.	O.		.00
Saturday, 30,	30.24	32.0	36.0	29.0	48	57	52.0	N. W.	N. W.	18	10	C.	C.	4.15	.01
Week, - -															

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING APRIL 6, 1889.

Deaths reported to the State Board of Health in 13 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Measles.
Boston,	413,567	199	72	34	39	1	21	4
Worcester,	78,292	..	..	..	..	..	..	..
Lowell,	71,518	33	14	6	7	3	1	..
Cambridge,	65,552	23	7	2	4	..	2	..
Fall River,	62,647	19	7	2	7	..	1	..
Lynn,	53,334	17	7	1	2	..	..	..
Springfield,	40,731	..	..	..	..	..	..	..
Lawrence,	40,619	..	..	..	..	..	..	..
New Bedford,	37,253	13	2	..	1	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	..	..	..	..	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	..	..	..	..	..	..	..
Haverhill,	26,058	4	1	..	1	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	2	0	..	..	..	..	..
Newton,	21,553	4	1	..	1	..	..	..
Malden,	19,774	1	0	..	..	..	..	..
Fitchburg,	17,534	..	..	..	..	..	..	..
Waltham,	17,332	7	1	..	1	..	..	..
Pittsfield,	15,502	..	..	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	..	..	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	6	1	3	..	1	1	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	5	3	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Diphtheria and Croup.	Measles.
Total of reporting towns,	836,807	333	116	48	64	5	26	4

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 13 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-eight deaths were reported from the principal infectious diseases: diphtheria and croup, 26; diarrhœal diseases, 5; measles, 4; whooping-cough, 3; scarlet-fever, 2; erysipelas, 2; typhoid fever, 2; puerperal fever, 1.

No deaths were reported from small-pox and malarial fever.

There were 64 deaths from acute lung diseases; consumption, 43; still-births, 28.

From whooping-cough: Boston, 2; Lynn, 1. From scarlet-fever: Boston and Fall River, 1 each. From erysipelas: Boston, 2. From typhoid fever: Boston and Lowell, 1 each. From puerperal fever: Boston, 1.

Deaths from the principal infectious diseases numbered 48 against 63 for the preceding week.

Deaths under five years of age numbered 116 against 161 for the preceding week.

Cases reported in Boston: measles, 129; diphtheria, 47; scarlet-fever, 16; and typhoid fever, 3.

The death-rates for the week were: Boston, 25.01; Worcester, ——; Lowell, 23.99; Cambridge, 18.17; Fall River, 15.77; Lynn, 16.58; Springfield, ——; Lawrence, ——; New Bedford, 18.07; Holyoke, ——; Somerville, ——; Salem, ——; Brockton, ——; Chelsea, ——; Haverhill, 7.96; Taunton, ——; Gloucester, 4.28; Newton, 9.84; Malden, 2.62; Fitchburg, ——; Waltham, 21.00; Newburyport, ——; Northampton, ——; Quincy, 22.68; Woburn, ——.

The total death-rate for the week was 20.69 against 21.31 and 20.10 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 6, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
March. Sunday, 31,	30.16	32.0	36.0	26.0	63	100	82.0	S. E.	E.	10	7	O.	R.	8.35	.20
April. Monday, 1,	29.91	36.0	37.0	33.0	90	91	90.0	N.	N. E.	17	16	R.	R.	24.00	.66
Tuesday, 2,	29.75	39.0	43.0	34.0	91	73	82.0	N.	W.	13	18	O.	C.	9.00	.32
Wednes'y, 3,	29.78	41.0	48.0	37.0	84	84	84.0	W.	S. E.	12	5	F.	O.	4.45	.04
Thursday, 4,	29.88	43.0	44.0	36.0	84	70	77.0	N. W.	S. E.	13	3	O.	C.		.00
Friday, 5,	30.08	40.0	43.0	37.0	68	79	74.0	N. E.	E.	8	6	O.	R.	0.05	T.
Saturday, 6,	30.31	39.0	42.0	36.0	88	88	88.0	N. E.	E.	12	4	O.	C.	1.00	T.
Week, - -	29.98	39.0	42.0	34.0			82.0							46.85	1.22

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 31 smaller towns of Massachusetts as reported to the State Board of Health for the month of March.

The total death-rate of reporting towns for the month was 18.45.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-Spinal Meningitis.
Hyde Park,	9,468	..	..	..	..	..	..	..
Plymouth,	7,633	..	..	..	..	..	..	..
Wakefield,	6,382	5	1	..	..	..	..	..
Andover,	5,985	..	..	..	..	..	..	..
Stoneham,	5,957	9	0	..	..	..	..	..
Middleborough,	5,737	8	0	..	..	..	..	..
Winchester,	5,098	5	0	..	1	..	..	..
Arlington,	5,039	..	..	..	..	..	..	..
West Springfield,	4,784	11	7	..	3	..	..	..
Revere,	4,675	9	3	3	..	..	1	2
Provincetown,	4,580	5	0	..	1	..	..	..
Hingham,	4,375	6	1	..	..	..	..	..
Amherst,	4,310	6	0	..	1	..	..	..
Concord,	4,310	6	1	..	2	..	..	..
Whitman,	4,264	8	0	2	1	..	..	1
Braintree,	4,188	..	..	..	..	..	..	..
Hudson,	4,185	3	2	..	1	..	..	..
Randolph,	3,807	8	0	..	1	..	..	..
Northbridge,	3,786	..	..	..	..	..	..	..
No. Andover,	3,585	7	2	3	..	1	1	1
Mansfield,	3,064	4	0	..	..	..	..	..
Leicester,	2,987	6	1	1	..	..	1	..
Fairhaven,	2,915	2	0	1	..	1	..	..
Nantucket,	2,912	8	0	..	..	..	..	..
Wrentham,	2,852	..	..	..	..	..	..	..
Swampscott,	2,630	1	0	..	1	..	..	..
Merrimac,	2,461	5	1	1	1	1	..	..
Chelmsford,	2,304	..	..	..	..	..	..	..
Dalton,	2,240	7	2	..	4	..	..	..
Cohasset,	2,230	6	0	..	1	..	..	..
Northborough,	2,095	2	0	..	..	..	..	..
Ashburnham,	2,058	5	1	..	..	..	..	..
Groton,	2,037	..	..	..	..	..	..	..
Longmeadow,	1,787	4	1	..	..	..	..	..
Conway,	1,573	2	0	1	..	1	..	..
Shrewsbury,	1,400	2	0	..	..	..	..	..
Topsfield,	1,141	2	0	..	..	..	..	..
Truro,	972	0	0	..	..	..	..	..
Burlington,	604	..	..	..	..	..	..	..
Heath,	575	1	0	..	1	..	..	..
Wendell,	545	1	1	..	..	..	..	..
Total of reporting towns,	99,634	154	24	12	19	4	3	4

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URISEPTIN TREATMENT is SUCCESSFUL TREATMENT.

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Full information furnished physicians on request, or 8-oz. bottle will be sent on receipt of 25 cents.

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Caution—"Witch-hazel" is not synonymous with POND'S EXTRACT. Analyses of 70 samples of witch-hazel offered as "the same thing" showed 52 to contain wood alcohol (poison), or formaldehyde (poison), or both. The peril of these poisons may be avoided only by the exclusive prescription and use of

POND'S EXTRACT

THE BOSTON CITY HOSPITAL

EXAMINATION FOR APPOINTMENTS AS HOUSE OFFICERS

Only graduates in medicine of less than three years' standing, and undergraduates who have completed at least three full years of medical study, are eligible for appointment.

A competitive examination of candidates for appointment to the positions of House Officers at The Boston City Hospital, for the terms of service beginning on the first Monday of November, 1905, will be held at the Hospital on Tuesday, the third day of October, 1905, and the Thursday and Friday following.

This examination will be held for appointments to nine positions: —

Three Medical House Officers, to serve for twenty-four months and two weeks. This term is divided into six periods of four months each, as follows: (1) Surgical Externe and Medical Externe, each two months. (2) Special Externe. In this period Externe No. 1 will serve three days of the week each in the Ophthalmological and the Aural Out-patient Departments; Externe No. 2, three days each in the Laryngological and the Dermatological Out-patient Departments, and Externe No. 3, three days each in the Neurological and the Gynæcological Out-patient Departments. (3) Junior Surgical and Junior Medical Interne, each two months. (4) Senior Medical Interne. (5) South Department. (6) House Physician.

Three Surgical House Officers, to serve for twenty-four months and two weeks. This term is divided into six periods of four months each, as follows: (1) Medical Externe and Surgical Externe, each two months. (2) Surgical Dresser. (3) Junior Medical and Junior Surgical Interne, each two months. (4) Relief Station. (5) Senior Surgical Interne. (6) House Surgeon.

One Gynæcological House Officer, to serve for twenty-four months and two weeks in four periods of six months each, viz.: Dresser, Externe, Interne and House Physician, beginning the first Monday in January, 1906.

One Ophthalmic and Aural House Officer, to serve twelve months, viz.: four months as Externe, four months at South Department and four months as House Surgeon.

One Pathological House Officer, to serve twelve months, six months as Junior Pathological Interne and six months as Senior Pathological Interne, beginning the first Monday in January, 1906.

The above schedule is subject to some possible modifications, and the trustees reserve the right to change the services of House Officers as the exigencies of the service may require.

The preliminary examination to determine the general fitness of candidates for the positions of House Officers will begin on Tuesday, October 3, at nine o'clock, A.M. The examination will embrace the general subjects of anatomy, chemistry, materia medica, obstetrics, medicine and surgery.

Those who successfully pass the preliminary examination will be further examined for each of the services for which they have made application.

Applications *in triplicate* on blanks furnished by the Hospital, must be addressed to the Secretary of the Senior Staff at the Hospital, on or before Saturday, the 23d of September. Blanks can be obtained by those contemplating taking the examination, upon application at the Hospital.

CHAS. F. WITHINGTON, *Chairman, Committee on Examinations.*

BOSTON, Sept. 1, 1905.

The Family Laxative

THE ideal, safe family laxative known as Syrup of Figs is a product of the California Fig Syrup Co., and derives its laxative principles from senna, made pleasant to the taste and more acceptable to the stomach by being combined with pleasant aromatic syrups and the juice of figs. It is recommended by many of the most eminent physicians, and used by millions of families with entire satisfaction. It has gained its great reputation with the medical profession by reason of the acknowledged skill and care exercised by the California Fig Syrup Co. in securing the laxative principles of the senna by an original method of its own, and presenting them in the best and most convenient form. The California Fig Syrup Co. has special facilities for commanding the choicest qualities of Alexandria senna, and its chemists devote their entire attention to the manufacture of the one product. The name — Syrup of Figs — means to the medical profession "the family laxative, manufactured by the California Fig Syrup Co.," and the name of the company is a guarantee of the excellence of its product. Informed of the above facts, the careful physician will know how to prevent the dispensing of worthless imitations when he recommends or prescribes the original and genuine — Syrup of Figs. It is well known to physicians that Syrup of Figs is a **simple, safe** and **reliable** laxative, which does not irritate or debilitate the organs on which it acts, and, being pleasant to the taste, it is especially adapted to ladies and children, although generally applicable in all cases. Special investigation of the profession invited.

Syrup of Figs is never sold in bulk. It retails at fifty cents per bottle, and the name,— Syrup of Figs,— as well as the name of the California Fig Syrup Co., is printed on the wrappers and labels of every bottle.

CALIFORNIA FIG SYRUP CO.

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Clean, Powerful, Efficient, Perfectly Safe.

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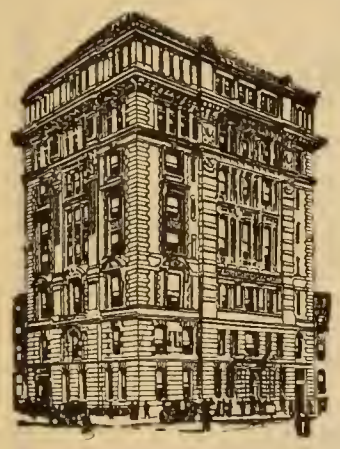
SESSION 1902-1903

Hoagland Laboratory and Polhemus Memorial Clinic

Next Regular Session begins Oct. 1, 1902.
Next Summer Course begins May 16, 1903.



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The Curriculum is graded to extend through four years, and consists of Lectures, Recitations, Clinics, and systematic work in the Laboratories of Analytical and Physiological Chemistry, of Histology, Anatomy, and Pathology.

The Ninety-third Annual Session will begin Sept. 28, 1905, and continue until the last Wednesday in June, with recesses at Christmas and Easter.

Entrance examinations are required of those who are not graduates of colleges or approved secondary schools.

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HANOVER, N. H.

The One Hundred and Eighth Annual Course begins Aug. 15, 1904, and ends April 1, 1905.

FACULTY: Dean, W. T. Smith, M.D., LL.D., Physiology; C. B. Nancrede, M.D., LL.D., Surgery; E. J. Bartlett, M.D., Chemistry; A. P. Dudley, M.D., Gynecology; T. M. Balliet, M.D., Therapeutics; William Patten, Ph.D., Zoology; G. D. Frost, M.D., Anatomy; J. M. Gile, M.D., Practice; C. C. Stewart, Ph.D., Physiology and Medical Physics; H. N. Kingsford, M.D., Histology, Bacteriology and Pathology; John Ordronaux, M.D., LL.D., Medical Jurisprudence; G. P. Conn, M.D., Hygiene; Edward Cowles, M.D., LL.D., Mental Diseases; G. A. Leland, M.D., Laryngology; Myles Standish, M.D., Ophthalmology; H. P. Towle, M.D., Dermatology; P. Bartlett, M.D., Anatomy and Materia Medica; G. R. Lyman, A.M., Biology; C. E. Bolser, Ph.D., Chemistry.

The curriculum is graded and covers four years. Instruction is given by Lectures, Recitations, Work in the Biological, Chemical, Pathological, Bacteriological and Anatomical Laboratories, and Clinical Work at the Hitchcock Hospital.

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BOWDOIN COLLEGE

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The Eighty-sixth Annual Course of Lectures will begin October 19, 1905, and continue eight months.

Four courses of lectures are required of all who matriculate as first-course students.

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T. D. CROTHERS, M.D.
Supt. Walnut Lodge, Hartford, Conn.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, April 20, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING APRIL 20, 1889.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	231	74	30	49	6	1	17
Worcester,	78,292	27	10	5	2	..	..	2
Lowell,	71,518	40	8	6	7	1	4	..
Cambridge,	65,552	26	10	1	2	1	..	..
Fall River,	62,647	31	13	1	6	..	..	..
Lynn,	53,334	11	..	3	..	..	..	2
Springfield,	40,731	22	5	3	2	..	..	2
Lawrence,	40,619	19	1	2	6	1	1	..
New Bedford,	37,253	18	7	2	3	..	..	2
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	6	2	..	..	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	8	2	..	1	..	..	..
Haverhill,	26,058	5	2	1	..	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	1	0	..	..	..	..	..
Newton,	21,553	6	1	2	..	..	..	2
Malden,	19,774	14	6	4	1	1	1	1
Fitchburg,	17,534	6	2	..	2	..	..	..
Waltham,	17,332	5	2	1	..	..	..	..
Pittsfield,	15,502	6	1	1	1	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	4	2	..	1	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	7	3	..	2	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	1	0	1	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,100,538	494	151	63	85	10	7	28

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-three deaths were reported from the principal infectious diseases: diphtheria and croup, 28; diarrhœal diseases, 10; typhoid fever, 7; cerebro-spinal meningitis, 6; erysipelas, 4; measles, 3; scarlet-fever, 3; whooping-cough, 2.

No deaths were reported from small-pox and malarial fever.

There were 85 deaths from acute lung diseases; consumption, 68; still-births, 33.

From cerebro-spinal meningitis: Worcester, 2; Lowell, Malden, Waltham and Peabody, 1 each. From erysipelas: Boston, Worcester, Lynn and Springfield, 1 each. From measles: Boston, 2; Haverhill, 1. From scarlet-fever: Boston, Fall River and Pittsfield, 1 each. From whooping-cough: Boston, 2.

Deaths from the principal infectious diseases numbered 63 against 47 for the preceding week.

Deaths under five years of age numbered 151 against 153 for the preceding week.

Cases reported in Boston: measles, 136; diphtheria, 37; scarlet-fever, 23; and typhoid fever, 13.

The death-rates for the week were: Boston, 29.04; Worcester, 17.82; Lowell, 29.08; Cambridge, 20.54; Fall River, 25.73; Lynn, 10.73; Springfield, 28.07; Lawrence, 24.30; New Bedford, 24.02; Holyoke, ——; Somerville,——; Salem, 10.64; Brockton, ——; Chelsea, 14.48; Haverhill, 9.95; Taunton, ——; Gloucester, 2.14; Newton, 14.76; Malden, 36.68; Fitchburg, 17.76; Waltham, 15.00; Newburyport, 14.96; Northampton, ——; Quincy, 26.46; Woburn, ——.

The total death-rate for the week was 23.61 against 23.74 and 21.31 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, April 20, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.		MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 14,	30.12	43.0	53.0	34.0	46	42		44.0	N. W.	N.		12	12		C.	C.			.00
Monday, 15,	30.42	45.0	48.0	36.0	52	50		51.0	N.W.	S. E.		4	8		C.	C.			.00
Tuesday, 16,	30.42	45.0	48.0	37.0	54	56		55.0	E.	E.		10	5		F.	C.			.00
Wednes'y, 17,	30.18	45.0	48.0	40.0	71	92		82.0	N. E.	N.		15	14		O.	R.		8.25	.40
Thursday, 18,	30.06	50.0	52.0	44.0	93	87		90.0	N. E.	N.		12	10		R.	R.		3.45	.17
Friday, 19,	30.11	55.0	66.0	48.0	83	87		85.0	N.	E.		2	4		F.	C.		.15	T.
Saturday, 20,	30.04	62.0	81.0	46.0	71	79		75.0	S. W.	S. W.		9	19		C.	R.		1.16	.05
Week, - -																			

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, April 27, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING APRIL 27, 1889.

Deaths reported to the State Board of Health in 17 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Measles.
Boston,	413,567	219	74	19	32	1	10	2
Worcester,	78,292	23	8	1	5	..	1	..
Lowell,	71,518	61	22	8	8	2	4	..
Cambridge,	65,552	..	..	..	..	..	..	..
Fall River,	62,647	21	10	3	6	..	..	1
Lynn,	53,334	18	..	..	..	..	..	..
Springfield,	40,731	20	3	2	3	..	1	..
Lawrence,	40,619	12	3	2	1	..	2	..
New Bedford,	37,253	15	2	1	1	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	10	2	..	2	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	..	..	..	..	..	..	..
Haverhill,	26,058	..	..	..	..	..	..	..
Taunton,	25,170	10	4	2	2	..	1	..
Gloucester,	24,263	6	2	..	..	..	..	..
Newton,	21,553	5	0	..	..	..	..	..
Malden,	19,774	5	1	1	1	..	1	..
Fitchburg,	17,534	..	..	..	..	..	..	..
Waltham,	17,332	8	1	2	1	..	1	1
Pittsfield,	15,502	3	2	..	2	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	..	..	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	..	..	..	..	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	6	3	..	1	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	4	0	1	1	1	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Measles.
Total of reporting towns,	972,835	446	137	42	66	4	21	4

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 17 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-two deaths were reported from the principal infectious diseases: diphtheria and croup, 21; typhoid fever, 4; measles, 4; diarrhœal diseases, 4; erysipelas, 3; whooping-cough, 2; puerperal fever, 2; scarlet-fever, 1; cerebro-spinal meningitis, 1.

No deaths were reported from small-pox and malarial fevers.

There were 66 deaths from acute lung diseases; consumption, 53; still-births, 25.

From diarrhœal diseases: Lowell, Fall River, Springfield and New Bedford, 1 each. From erysipelas: Boston, 2; Fall River, 1. From whooping-cough: Boston, 2. From puerperal fever; Boston, 2. From scarlet-fever: Lowell, 1. From cerebro-spinal meningitis: Taunton, 1.

Deaths from the principal infectious diseases numbered 42 against 63 for the preceding week.

Deaths under five years of age numbered 137 against 151 for the preceding week.

Cases reported in Boston: measles, 153; diphtheria, 48; scarlet-fever, 13; and typhoid fever, 7.

The death-rates for the week were: Boston, 27.52; Worcester, 15.18; Lowell, 44.35; Cambridge, ——; Fall River, 17.43; Lynn, 17.55; Springfield, 26.00; Lawrence, 15.35; New Bedford, 20.85; Holyoke, ——; Somerville,——; Salem, 17.90; Brockton,——; Chelsea, ——; Haverhill,——; Taunton, 20.60; Gloucester, 12.84; Newton, 12.30; Malden, 13.10; Fitchburg, ——; Waltham, 24.00; Newburyport, ——; Northampton, ——; Quincy, 18.90; Woburn, ——.

The total death-rate for the week was 23.83 against 23.61 and 23.74 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, April 27, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 21,	29.90	59.0	76.0	55.0	86	68	77.0	S. E.	W.	2	19	O.	O.	1.35	.13
Monday, 22,	30.18	46.0	53.0	40.0	58	71	64.0	W.	N.W.	10	12	C.	C.		.00
Tuesday, 23,	30.42	44.0	58.0	34.0	43	58	50.0	N.W.	S.W.	5	15	C.	C.		.00
Wednes'y, 24,	30.32	54.0	64.0	40.0	55	65	60.0	S.	S.W.	18	15	C.	C.		.00
Thursday, 25,	30.12	62.0	70.0	50.0	62	89	76.0	S.	S.	12	12	F.	O.	1.25	T.
Friday, 26,	29.84	51.0	55.0	46.0	84	100	92.0	S. E.	N. E.	12	33	F.	R.	3.05	.47
Saturday, 27,	29.51	50.0	56.0	46.0	97	97	97.0	N. E.	E.	9	16	R.	O.	23.00	.60
Week, - -	30.04		62.0	44.0			74.0							29.05	1.10

* O., Cloudy; C., Clear; F., Fair; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, May 4, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING MAY 4, 1889.

Deaths reported to the State Board of Health in 19 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the mouth.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	193	70	23	49	5	3	11
Worcester,	78,292	26	9	2	11	..	..	2
Lowell,	71,518	34	9	2	4	1	..	1
Cambridge,	65,552	16	3	1	1	..	..	1
Fall River,	62,647	27	16	8	3	2	2	2
Lynn,	53,334	19	..	4	3	..	..	3
Springfield,	40,731	13	4	5	..	1	..	4
Lawrence,	40,619	20	8	1	1	..	..	1
New Bedford,	37,253	..	..	..	..	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	8	0	..	1	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	8	3	4	..	1	1	..
Haverhill,	26,058	6	2	1	..	..	..	1
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	5	3	..	1	..	..	..
Newton,	21,553	2	0	1	..	..	1	..
Malden,	19,774	2	0	1	..	..	..	1
Fitchburg,	17,534	7	5	1	..	..	..	..
Waltham,	17,332	5	1	..	1	..	..	..
Pittsfield,	15,502	6	1	1	2	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	..	..	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	1	0	..	..	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	3	0	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,049,410	401	134	55	78	10	7	27

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 19 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-five deaths were reported from the principal infectious diseases: diphtheria and croup, 27; diarrhœal diseases, 10; typhoid fever, 7; whooping-cough, 4; scarlet-fever, 3; measles, 2; erysipelas, 2.

No deaths were reported from small-pox and malarial fevers.

There were 78 deaths from acute lung diseases; consumption, 47; and still-births, 29.

From whooping-cough: Boston, 2; Chelsea, 1. From scarlet-fever: Fall River, 2; Pittsfield, 1. From measles: Boston and Lynn, 1 each. From erysipelas: Boston and Chelsea, 1 each.

Deaths from the principal infectious diseases numbered 55 against 42 for the preceding week.

Deaths under five years of age numbered 134 against 137 for the preceding week.

Cases reported in Boston: measles, 95; diphtheria, 53; typhoid fever, 12; and scarlet-fever, 10.

The death-rates for the week were: Boston, 24.26; Worcester, 17.16; Lowell, 24.61; Cambridge, 12.64; Fall River, 22.41; Lynn, 18.52; Springfield, 16.59; Lawrence, 25.58; New Bedford, ——; Holyoke, ——; Somerville,——; Salem, 14.32; Brockton,——; Chelsea, 14.48; Haverhill, 11.94; Taunton,——; Gloucester, 10.70; Newton, 4.92; Malden, 5.24; Fitchburg, 20.72; Waltham, 15.00; Newburyport, ——; Northampton, ——; Quincy, 3.78.

The total death-rate for the week was 18.91 against 23.83 and 23.61 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 4, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.		MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, April 28,	29.52	54.0	61.0	49.0	88	81		84.0	S.	S.		22	18		O.	C.		0.20	T.
Monday, 29,	29.56	54.0	59.0	49.0	87	85		86.0	S. W.	W.		6	10		F.	R.		2.25	.03
Tuesday, 30,	29.78	52.0	63.0	45.0	78	74		76.0	W.	W.		13	14		C.	C.		1.25	T.
Wednes'y, May 1,	29.92	50.0	59.0	41.0	66	58		62.0	N. W.	W.		19	11		C.	F.			.00
Thursday, 2,	29.88	51.0	59.0	41.0	76	59		68.0	W.	S. W.		4	10		C.	F.			.00
Friday, 3,	29.82	51.0	55.0	45.0	67	69		68.0	N.W.	W.		14	9		O.	O.		0.05	T.
Saturday, 4,	29.92	54.0	58.0	42.0	64	66		65.0	N.W.	S.		8	6		O.	C.			.00
Week, - -	29.77		59.0	48.0				73.0										4.15	.13

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 27 smaller towns of Massachusetts as reported to the State Board of Health for the month of April.

The total death-rate of reporting towns for the month was 12.67.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Consumption.	Typhoid Fever.	Erysipelas.	Diphtheria and Croup.
Hyde Park,	9,468	..	..	..	..	..	..	..
Plymouth,	7,633	..	..	..	..	..	..	..
Wakefield,	6,382	1	1	1	..	..	..	1
Andover,	5,985	..	..	..	..	..	..	..
Stoneham,	5,957	3	0	..	..	..	..	..
Middleborough,	5,737	5	0	..	1	..	..	..
Winchester,	5,098	8	1	..	3	..	..	..
Arlington,	5,039	..	..	..	..	..	..	..
West Springfield,	4,784	6	1	1	..	1	..	..
Revere,	4,675	2	0	..	..	..	..	..
Provincetown,	4,580	2	0	..	1	..	..	..
Hingham,	4,375	4	0	..	..	..	..	..
Amherst,	4,310	..	..	..	..	..	..	..
Concord,	4,310	2	0	..	2	..	..	..
Whitman,	4,264	4	1	1	..	..	..	..
Braintree,	4,188	..	..	..	..	..	..	..
Hudson,	4,185	4	3	1	1	..	..	1
Randolph,	3,807	4	1	1	1	..	..	1
Northbridge,	3,786	..	..	..	..	..	..	..
No. Andover,	3,585	1	0	1	..	..	1	..
Mansfield,	3,064	..	..	..	..	..	..	..
Leicester,	2,987	6	0	1	..	..	..	..
Fairhaven,	2,915	..	..	..	..	..	..	..
Nantucket,	2,912	6	0	1	1	1	..	..
Wrentham,	2,852	1	0	..	..	..	..	..
Swampscott,	2,630	4	0	..	2	..	..	..
Merrimac,	2,461	3	2	..	..	..	..	..
Chelmsford,	2,304	..	..	..	..	..	..	..
Dalton,	2,240	1	0	..	..	..	..	..
Cohasset,	2,230	2	0	..	..	..	..	..
Northborough,	2,095	5	3	1	1	..	1	..
Ashburnham,	2,058	..	..	..	..	..	..	..
Groton,	2,037	2	1	..	..	..	..	..
Longmeadow,	1,787	7	4	1	..	1	..	..
Conway,	1,573	..	..	..	..	..	..	..
Shrewsbury,	1,400	2	0	..	..	..	..	..
Topsfield,	1,141	2	0	..	..	..	..	..
Truro,	972	1	0	..	..	..	..	..
Burlington,	604	..	..	..	..	..	..	..
Heath,	575	1	0	..	..	..	..	..
Wendell,	545	..	..	..	..	..	..	..
Total of reporting towns,	84,294	89	18	10	13	3	2	3

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, May 11, 1889.

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of April.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING MAY 11, 1889.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases	Typhoid Fever.	Diphtheria and Croup.	Measles.
Boston,	413,567	188	68	24	39	3	11	2
Worcester,	78,292	27	9	2	5	..	1	..
Lowell,	71,518	39	14	3	4	1	1	..
Cambridge,	65,552	27	9	6	4	..	2	4
Fall River,	62,647	20	8	2	4	..	1	..
Lynn,	53,334	15	4	1	2	..	1	..
Springfield,	40,731	21	3	3	4	..	3	..
Lawrence,	40,619	16	5	4	1	3	..	..
New Bedford,	37,253	16	4	2	..	..	2	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	5	2	2	2	..	1	..
Salem,	29,011	6	4	1	..	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	..	..	..	..	..	..	..
Haverhill,	26,058	9	2	2	2	..	..	2
Taunton,	25,170	5	2	2	..	..	2	..
Gloucester,	24,263	5	1	1	1	..	..	..
Newton,	21,553	5	1	1	1	1	..	..
Malden,	19,774	4	2	..	..	..	..	..
Fitchburg,	17,534	10	1	..	1	..	..	..
Waltham,	17,332	6	1	..	2	..	..	..
Pittsfield,	15,502	4	1	1	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	..	..	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	7	2	3	..	..	1	1
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diphtheria and Croup.	Measles.
Total of reporting towns,	1,107,856	435	143	60	72	8	26	9

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty deaths were reported from the principal infectious diseases: diphtheria and croup, 26; measles, 9; typhoid fever, 8; diarrhœal diseases, 6; cerebro-spinal meningitis, 5; whooping-cough, 4; scarlet-fever, 2.

No deaths were reported from small-pox, malarial fevers, puerperal fever and erysipelas.

There were 72 deaths from acute lung diseases; consumption, 55; and still-births, 28.

From diarrhœal diseases: Boston, 4; Worcester and Salem, 1 each. From cerebro-spinal meningitis: Boston, Lawrence, Somerville, Gloucester and Quincy, 1 each. From whooping-cough: Boston, 3; Lowell, 1. From scarlet-fever: Fall River and Pittsfield, 1 each.

Deaths from the principal infectious diseases numbered 60 against 42 for the preceding week.

Deaths under five years of age numbered 143 against 137 for the preceding week.

Cases reported in Boston: measles, 116; diphtheria, 35; scarlet-fever, 14; and typhoid fever, 11.

The death-rates for the week were: Boston, 23.63; Worcester, 17.82; Lowell, 28.35; Cambridge, 21.33; Fall River, 16.60; Lynn, 14.63; Springfield, 26.79; Lawrence, 20.46; New Bedford, 22.24; Holyoke, ——; Somerville, 7.55; Salem, 10.74; Brockton,——; Chelsea,——; Haverhill, 17.91; Taunton, 10.30; Gloucester, 10.70; Newton, 12.30; Malden, 10.48; Fitchburg, 29.60; Waltham, 18.00; Newburyport, ——; Northampton, ——; Quincy, 26.46; Woburn, ——.

The total death-rate for the week was 20.41 against 23.83 and 23.61 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 11, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.		MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 5,	29.96	66.0	80.0	43.0	68	53		60.0	W.	W.		11	10		C.	C.			.00
Monday, 6,	30.08	59.0	71.0	49.0	47	86		66.0	N. W.	E.		9	9		C.	C.			.00
Tuesday, 7,	30.09	47.0	50.0	43.0	86	92		89.0	N. E.	E.		6	10		O.	O.			.00
Wednes'y, 8,	29.98	56.0	68.0	42.0	80	60		70.0	S. W.	S. W.		3	10		C.	C.			.00
Thursday, 9,	29.92	70.0	90.0	54.0	66	57		62.0	S. W.	S.		10	12		C.	C.			.00
Friday, 11,	29.67	74.0	92.0	61.0	65	66		66.0	S. W.	W.		8	12		C.	R.		1.35	.08
Saturday, 12,	29.69	62.0	62.0	55.0	66	71		68.0	N. E.	S. E.		12	6		O.	C.		2.10	.07
Week, - -	29.91		76.0	49.0				69.0										3.45	.15

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of April: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	126	132	258	Molasses,	16	8	24
Butter,	2	..	2	Honey,	6	..	6
Cheese,	3	..	3	Vinegar,	7	11	18
Lard,	..	5	5	Canned Goods,	..	..	..
Olive Oil,	3	1	4	Tea,	7	..	7
Spices,	48	11	59	Coffee,	4	..	4
Cream of Tartar,	15	2	17	Confectionery,	2	..	2
Syrups,	..	..	..	Other articles of Food and Drinks,	13	14	27
Maple Syrup,	5	11	16	Drugs,	50	1	51
Maple Sugar,	10	9	19	Totals,	317	205	522

Percentage of adulteration, 39.1. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

Fifteen complaints were entered in the courts during the month for violation of the laws relative to Food and Drug inspection, three of which related to butter, six were for violations of the milk laws, three for sales of adulterated maple syrup, two for sales of adulterated maple sugar, and one for sale of adulterated molasses.

In fourteen of these the parties were found guilty; in one case the defendant was acquitted.

In five cases the parties appealed. One of the cases reported for April had been appealed and was tried in the Superior Court. Six hundred and forty-five dollars were paid in fines to the treasuries of cities and towns.

The cities and towns from which samples of food were collected during the month were as follows: — Boston, Worcester, Fall River, Cambridge, Brockton, Lowell, Chelsea, Northampton, Newburyport, Newton, Lynn, Salem, Quincy, Revere, Framingham, Clinton, Attleborough, Hyde Park, Chelmsford, Dracut, Marlborough, Natick, Brookline, Ware, Amherst and Medford.

The collection of drugs showed an unusually high percentage of samples of standard quality, such as could not have been attained in the period anterior to the enactment of the law for the Inspection of Food and Drugs.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, May 18, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING MAY 18, 1889.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Boston,	413,567	218	68	27	37	2	3	16
Worcester,	78,292	16	6	2	5	1	1	..
Lowell,	71,518	31	11	8	3	1	4	2
Cambridge,	65,552	25	12	2	4	..	..	2
Fall River,	62,647	20	5	2	..	..	..	..
Lynn,	53,334	27	0	4	3	1	..	1
Springfield,	40,731	16	4	4	..	..	1	2
Lawrence,	40,619	16	0	2	4	1	..	..
New Bedford,	37,253	10	3	2	..	..	1	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	5	2	1	1	..	..	1
Salem,	29,011	15	3	4	1	..	..	4
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	8	1	2	1	..	..	..
Haverhill,	26,058	7	2	2	1	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	10	2	..	..	..	..	..
Newton,	21,553	4	3	1	1	..	..	1
Malden,	19,774	10	4	..	..	..	..	..
Fitchburg,	17,534	3	1	..	..	..	..	..
Waltham,	17,332	3	0	..	1	..	..	..
Pittsfield,	15,502	6	1	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	..	..	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	8	0	2	1	..	..	1
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	4	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Total of reporting towns,	1,121,091	462	128	65	63	6	10	30

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-five deaths were reported from the principal infectious diseases: diphtheria and croup, 30; diarrhœal diseases, 10; typhoid fever, 6; measles, 5; scarlet-fever, 5; whooping-cough, 2; erysipelas, 2; puerperal fever, 1.

No deaths were reported from malarial fever and small-pox.

There were 63 deaths from acute lung diseases; consumption, 41; and still-births, 34.

From measles: Boston, 2; Lawrence, Haverhill and Quincy, 1 each. From scarlet-fever: Boston and Fall River, 2 each; Chelsea, 1. From whooping-cough: Boston, 2. From erysipelas: New Bedford and Haverhill, 1 each. From puerperal fever: Springfield, 1.

Deaths from the principal infectious diseases numbered 65 against 60 for the preceding week.

Deaths under five years of age numbered 128 against 143 for the preceding week.

Cases reported in Boston: measles, 105; diphtheria, 50; scarlet-fever, 18; and typhoid fever, 14.

The death-rates for the week were: Boston, 27.40; Worcester, 10.56; Lowell, 22.54; Cambridge, 19.75; Fall River, 16.60; Lynn, 26.33; Springfield, 20.42; Lawrence, 20.46; New Bedford, 13.90; Holyoke, ——; Somerville, 7.55; Salem, 26.85; Brockton,——; Chelsea, 14.48; Haverhill, 13.93; Taunton,——; Gloucester, 21.40; Newton, 9.84; Malden, 26.20; Fitchburg, 8.88; Waltham, 9.00; Newburyport, ——; Northampton, ——; Quincy, 30.24; Woburn, ——.

The total death-rate for the week was 21.43 against 20.41 and 23.83 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 18, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.		MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 12,	29.84	61.0	71.0	53.0	78	72		75.0	S. W.	S. W.		8	8		O.	C.		3.20	.02
Monday, 13,	29.96	55.0	63.0	48.0	76	93		84.0	N. E.	E.		10	12		C.	R.		1.20	.03
Tuesday, 14,	29.76	62.0	71.0	50.0	94	81		88.0	N. W.	S. W.		3	12		O.	F.		2.20	.04
Wednes'y, 15,	30.00	63.0	69.0	58.0	85	76		80.0	N.	S. E.		10	7		F.	F.		1.00	T.
Thursday, 16,	30.15	64.0	74.0	56.0	84	68		76.0	S. E.	S.		4	11		F.	O.			.00
Friday, 17,	30.28	64.0	80.0	54.0	86	74		80.0	S. W.	S. W.		4	12		C.	C.			.00
Saturday, 18,	30.00	73.0	90.0	61.0	69	66		68.0	S. W.	S. W.		6	12		C.	C.			.00
Week, - -	30.04		74.0	54.0				79.0										8.00	.09

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, May 25, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING MAY 25, 1889.

Deaths reported to the State Board of Health in 19 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Diphtheria and Croup.	Scarlet Fever.
Boston,	413,567	189	60	26	24	4	18	..
Worcester,	78,292	21	10	5	2	1	1	..
Lowell,	71,518	34	12	6	7	1	1	1
Cambridge,	65,552	26	6	3	3	2	1	..
Fall River,	62,647	25	12	4	5	1	..	2
Lynn,	53,334	19	..	2	4	..	..	2
Springfield,	40,731	..	..	..	..	..	..	..
Lawrence,	40,619	17	9	2	3	1	1	..
New Bedford,	37,253	14	7	3	1	1	2	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	4	1	..	..	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	8	2	3	1	..	1	1
Haverhill,	26,058	6	3	..	2	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	3	1	..	..	..	..	..
Newton,	21,553	7	4	2	1	1	1	..
Malden,	19,774	5	0	1	1	..	..	..
Fitchburg,	17,534	5	0	..	3	..	..	..
Waltham,	17,332	6	0	..	..	..	..	..
Pittsfield,	15,502	6	0	..	1	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	..	..	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	5	2	1	2	..	1	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	1	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Diphtheria and Croup.	Scarlet-Fever.
Total of reporting towns,	1,045,932	401	129	58	62	12	27	6

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 19 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-two deaths were reported from the principal infectious diseases: diphtheria and croup, 27: diarrhœal diseases, 12; scarlet-fever, 6; typhoid fever, 4; whooping-cough, 3; erysipelas, 3; measles, 1.

No deaths were reported from small-pox and malarial fever.

There were 62 deaths from consumption; acute lung diseases, 39; still-births, 25.

From typhoid fever: Lowell, 2; Fall River and Malden, 1 each. From whooping-cough: Boston, Chelsea and Lowell, 1 each. From erysipelas: Boston, 2; Worcester, 1. From measles: Boston, 1.

Deaths from the principal infectious diseases numbered 62 against 65 for the preceding week.

Deaths under five years of age numbered 129 against 128 for the preceding week.

Cases reported in Boston: measles, 85; diphtheria, 33; typhoid fever, 16; and scarlet-fever, 5.

The death-rates for the week were: Boston, 23.76; Worcester, 13.86; Lowell, 24.72; Cambridge, 20.54; Fall River, 20.75; Lynn, 18.53; Springfield, ——; Lawrence, 21.74; New Bedford, 19.46; Holyoke, ——; Somerville, ——; Salem, 7.16; Brockton,——; Chelsea, 14.48; Haverhill, 11.94; Taunton,——; Gloucester, 6.42; Newton, 17.22; Malden, 13.10; Fitchburg, 14.80; Waltham, 18.00; Newburyport, ——; Northampton, ——; Quincy, 18.90; Woburn, ——.

The total death-rate for the week was 19.93 against 21.43 and 20.41 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, May 26, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.		MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 19,	30.25	69.0	83.0	60.0	81	74		78.0	S.	S.		10	12		C.	F.			.00
Monday, 20,	29.99	67.0	76.0	56.0	92	90		91.0	S. E.	S. E.		11	13		R.	R.		8.40	.59
Tuesday, 21,	29.70	66.0	68.0	59.0	95	85		90.0	S.	S. W.		5	9		R.	O.		15.30	2.24
Wednes'y, 22,	29.74	63.0	71.0	59.0	82	74		78.0	W.	S. W.		8	8		F.	O.			.00
Thursday, 23,	29.84	59.0	61.0	52.0	75	78		76.0	N.	N. W.		12	7		F.	O.		0.15	.01
Friday, 24,	29.85	61.0	68.0	50.0	63	60		62.0	W.	N. W.		10	7		C.	C.			.00
Saturday, 25,	29.89	61.0	68.0	54.0	79	60		70.0	N. W.	N. W.		12	8		C.	F.		1.20	.41
Week, - -																			

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, June 1, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JUNE 1, 1889.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Diphtheria and Croup.	Scarlet Fever.
Boston,	413,567	164	50	23	16	3	10	2
Worcester,	78,292	27	11	1	1	1	..	..
Lowell,	71,518	25	6	4	3	1	1	..
Cambridge,	65,552	19	6	5	3	..	4	1
Fall River,	62,647	22	10	4	4	2	1	1
Lynn,	53,334	15	5	1	4	..	1	..
Springfield,	40,731	8	1	1	1	..	1	..
Lawrence,	40,619	23	7	3	4	..	1	1
New Bedford,	37,253	10	2	4	..	1	2	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	9	1	3	1	..	2	..
Salem,	29,011	16	5	1	3	..	1	..
Brockton,	28,813	9	0	1	..	..	..	..
Chelsea,	28,167	7	0	2	2	..	3	..
Haverhill,	26,058	8	1	..	4	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	3	0	..	..	..	..	..
Newton,	21,553	3	1	1	1	..	1	..
Malden,	19,774	4	0	1	2	..	1	..
Fitchburg,	17,534	4	0	..	1	..	..	..
Waltham,	17,332	7	2	1	..	1	..	..
Pittsfield,	15,502	6	0	1	1	..	..	1
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	..	..	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	11	4	5	1	..	5	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	4	1	3	1	..	..	3

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Diphtheria and Croup.	Scarlet-Fever.
Total of reporting towns,	1,227,766	404	113	65	53	9	33	9

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-five deaths were reported from the principal infectious diseases: diphtheria and croup, 33; scarlet-fever, 9; diarrhœal diseases, 9; cerebro-spinal meningitis, 4; whooping-cough, 2; measles, erysipelas and puerperal fever, each 1.

There were 53 deaths from consumption; acute lung diseases, 53; still-births, 33.

From cerebro-spinal meningitis: Boston, Lawrence, Somerville and Brockton, 1 each. From whooping-cough: Boston, 2. From measles: Boston, 1. From erysipelas: Lowell, 1. From typhoid fever: Boston, 3; Lowell and New Bedford, 1 each. From puerperal fever: Boston, 1.

Deaths from the principal infectious diseases numbered 65, the same as for the preceding week.

Deaths under five years of age numbered 113 against 128 for the preceding week.

Cases reported in Boston: measles, 71; diphtheria, 40; typhoid fever, 13; and scarlet-fever, 13.

The death-rates for the week were: Boston, 20.61; Worcester, 17.82; Lowell, 18.17; Cambridge, 15.01; Fall River, 18.26; Lynn, 14.62; Springfield, 10.20; Lawrence, 29.42; New Bedford, 13.90; Holyoke, ——; Somerville, 13.59; Salem, 28.00; Brockton, 16.20; Chelsea, 12.67; Haverhill, 15.92; Taunton,——; Gloucester, 6.42; Newton, 7.38; Malden, 9.84; Fitchburg, 11.84; Waltham, 21.00; Newburyport, ——; Northampton, ——; Quincy, 41.58.

The total death-rate for the week was 17.11 against 21.43 and 20.41 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 1, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
May. Sunday, 26,	30.06	49.0	50.0	44.0	96	77	86.0	N.E.	N.E.	20	7	R.	C.	6.00	.22
Monday, 27,	29.95	51.0	54.0	45.0	72	93	82.0	E.	E.	5	15	F.	R.	7.13	.35
Tuesday, 28,	29.79	58.0	73.0	49.0	82	69	76.0	S. W.	S. W.	12	7	O.	C.	5.20	.07
Wednes'y, 29,	30.18	54.0	68.0	42.0	67	64	66.0	W.	S.	12	13	F.	C.		.00
Thursday, 30,	30.24	62.0	73.0	49.0	82	86	84.0	E.	S. W.	12	11	O.	O.	1.10	.02
Friday, 31,	30.20	73.0	80.0	64.0	64	83	74.0	S.	S. E.	14	12	F.	C.	0.10	.01
June. Saturday, 1,	30.09	72.0	77.0	58.0	78	81	80.0	S. E.	S.	24	16	O.	O.		.00
Week, - -	30.07		64.0	50.0			78.0							19.53	.67

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 28 smaller towns of Massachusetts as reported to the State Board of Health for the month of May.

The total death-rate of reporting towns for the month was 14.13.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Consumption.	Typhoid Fever.	Diphtheria and Croup.	Scarlet Fever.
Hyde Park,	9,468	..	..	..	..	..	..	..
Plymouth,	7,633	..	..	..	..	..	..	..
Wakefield,	6,382	5	0	2	..	..	2	..
Andover,	5,985	..	..	..	..	..	..	..
Stoneham,	5,957	6	2	1	2	..	..	..
Middleborough,	5,737	8	2	..	1	..	..	..
Winchester,	5,098	3	0	..	..	..	..	..
Arlington,	5,039	..	..	..	..	..	..	..
West Springfield,	4,784	4	0	1	..	..	..	..
Revere,	4,675	..	..	..	..	..	..	..
Provincetown,	4,580	4	0	..	1	..	..	..
Hingham,	4,375	9	0	..	3	..	..	..
Amherst,	4,310	1	0	..	..	..	..	..
Concord,	4,310	3	0	..	1	..	..	..
Whitman,	4,264	..	..	..	..	..	..	..
Braintree,	4,188	..	..	..	..	..	..	..
Hudson,	4,185	4	1	..	1	..	..	..
Randolph,	3,807	9	0	..	1	..	..	..
Northbridge,	3,786	..	..	..	..	..	..	..
No. Andover,	3,585	..	..	..	..	..	..	..
Mansfield,	3,064	..	..	..	..	..	..	..
Leicester,	2,987	1	0	..	1	..	..	..
Fairhaven,	2,915	4	0	..	..	..	..	..
Nantucket,	2,912	8	0	..	1	..	..	..
Wrentham,	2,852	1	0	..	1	..	..	..
Swampscott,	2,630	5	1	2	..	..	1	1
Merrimac,	2,461	4	1	1	1	..	..	1
Chelmsford,	2,304	..	..	..	..	..	..	..
Dalton,	2,240	4	0	1	..	1	..	..
Cohasset,	2,230	2	1	..	..	..	..	..
Northborough,	2,095	..	..	..	..	..	..	..
Ashburnham,	2,058	..	..	..	..	..	..	..
Groton,	2,037	5	1	..	..	..	..	..
Longmeadow,	1,787	1	0	..	..	..	..	..
Conway,	1,573	1	0	..	..	..	..	..
Shrewsbury,	1,400	1	0	..	..	..	..	..
Huntington,	1,309	1	0	..	1	..	..	..
Topsfield,	1,141	1	0	..	..	..	..	..
Truro,	972	1	0	..	..	..	..	..
Burlington,	604	3	2	..	..	..	..	..
Norton,	1,718	3	0	..	..	..	..	..
Total of reporting towns,	87,293	102	11	8	15	1	3	2

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, June 8, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JUNE 8, 1889.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	113,567	188	65	21	29	3	3	13
Worcester,	78,292	20	10	4	2	1	..	1
Lowell,	71,518	26	8	3	2	..	1	2
Cambridge,	65,552	..	..	..	..	..	..	..
Fall River,	62,647	18	10	3	2	2	..	1
Lynn,	53,334	11	0	2	1	..	..	1
Springfield,	40,731	12	3	1	3	..	..	1
Lawrence,	40,619	18	4	3	4	..	2	1
New Bedford,	37,253	11	5	2	..	..	..	2
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	17	4	..	3	..	..	..
Salem,	29,011	12	0	1	..	..	1	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	12	2	2	2	..	..	2
Haverhill,	26,058	7	1	..	1	..	..	..
Taunton,	25,170	7	2	..	3	..	..	..
Gloucester,	24,263	7	2	1	1	..	..	..
Newton,	21,553	..	..	..	..	..	..	..
Malden,	19,774	7	2	1	1	..	1	..
Fitchburg,	17,534	7	1	..	..	..	..	..
Waltham,	17,332	8	4	1	1	..	..	..
Pittsfield,	15,502	2	0	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	6	4	1	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	3	2	2	..	..	..	2
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,091,606	399	129	48	55	6	8	26

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-eight deaths were reported from the principal infectious diseases: diphtheria and croup, 26; typhoid fever, 8; diarrhœal diseases, 6; cerebro-spinal meningitis, 3; whooping-cough, 3.

No deaths were reported from small-pox, malarial fever and measles.

There were 55 deaths from consumption; acute lung diseases, 39; and still-births, 25.

From cerebro-spinal meningitis: Worcester, 2; Gloucester, 1. From whooping-cough: Boston, 2; Lynn, 1.

Deaths from the principal infectious diseases numbered 48 against 65 for the preceding week.

Deaths under five years of age numbered 129 against 113 for the preceding week.

Cases reported in Boston: measles, 59; diphtheria, 42; typhoid fever, 18; and scarlet-fever, 13.

The death-rates for the week were: Boston, 11.06; Worcester, 13.20; Lowell, 18.90; Cambridge, ——; Fall River, 14.94; Lynn, 10.73; Springfield, 15.31; Lawrence, 27.18; New Bedford, 15.29; Holyoke, ——; Somerville, 25.67; Salem, 21.48; Brockton, ——; Chelsea, 21.72; Haverhill, 13.93; Taunton, 14.42; Gloucester, 14.98; Newton, ——; Malden, 18.34; Fitchburg, 20.72; Waltham, 24.00; Newburyport, 22.44; Northampton, ——; Quincy, 11.34.

The total death-rate for the week was 19.01 against 21.43 and 20.41 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 8, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 2,	30.02	65.0	68.0	65.0	92	82	87.0	S.	S.	14	6	R.	O.	10.18	1.23
Monday, 3,	30.00	64.0	70.0	59.0	79	95	87.0	S. W.	S.	5	7	F.	R.	1.40	.05
Tuesday, 4,	29.71	62.0	72.0	58.0	100	90	95.0	S. E.	S. W.	6	6	R.	C.	12.05	.30
Wednes'y, 5,	29.57	64.0	71.0	59.0	92	70	81.0	S. W.	W.	8	7	O.	F.	2.30	.60
Thursday, 6,	29.62	60.0	68.0	57.0	69	72	70.0	W.	W.	6	12	C.	F.	0.05	T.
Friday, 7,	29.88	62.0	73.0	50.0	61	45	53.0	N.W.	S. W.	12	6	C.	F.		.00
Saturday, 8,	29.89	66.0	68.0	62.0	61	95	78.0	S. W.	S. W.	12	4	O.	O.	10.15	.08
Week, - -	29.81		70.0	59.0			79.0							36.53	3.26

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, June 15, 1889.

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of May.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JUNE 15, 1889.

Deaths reported to the State Board of Health in 18 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	174	44	20	23	2	2	15
Worcester,	78,292	19	4	2	1	2	..	..
Lowell,	71,518	43	14	8	3	..	1	3
Cambridge,	65,552	25	7	4	3	1	1	1
Fall River,	62,647	13	2	1	2	..	..	1
Lynn,	53,334	14	0	2	4	..	..	..
Springfield,	40,731	..	..	..	..	..	..	..
Lawrence,	40,619	18	7	7	2	2	2	3
New Bedford,	37,253	9	1	..	..	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	4	3	1	..	1	..	..
Salem,	29,011	12	5	1	3	1	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	..	..	..	..	..	..	..
Haverhill,	26,058	10	1	1	1	..	..	1
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	6	1	..	2	..	..	..
Newton,	21,553	12	0	1	2	..	..	1
Malden,	19,774	..	..	..	..	..	..	..
Fitchburg,	17,534	3	1	1	..	..	..	..
Waltham,	17,332	7	2	..	3	..	..	..
Pittsfield,	15,502	..	..	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	4	0	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	5	1	..	2	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	7	2	1	1	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,032,595	385	95	50	52	9	6	25

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 18 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty deaths were reported from the principal infectious diseases: diphtheria and croup, 25; diarrhœal diseases, 9; typhoid fever, 6; cerebro-spinal meningitis, 4; scarlet fever, 2; whooping-cough, 2; measles, 1.

No deaths were reported from small-pox and erysipelas.

There were 50 deaths from consumption; acute lung diseases, 33; and still-births, 20.

From cerebro-spinal meningitis: Lowell, 4. From scarlet-fever: Cambridge and Fitchburg, 1 each. From whooping-cough: Lynn, 2. From measles: Boston, 1.

Deaths from the principal infectious diseases numbered 50 against 48 for the preceding week.

Deaths under five years of age numbered 95 against 129 for the preceding week.

Cases reported in Boston: measles, 62; diphtheria, 37; scarlet-fever, 9; and typhoid fever, 3.

The death-rates for the week were: Boston, 21.87; Worcester, 12.54; Lowell, 31.26; Cambridge, 19.25; Fall River, 10.79; Lynn, 13.65; Springfield, ——; Lawrence, 23.02; New Bedford, 12.51; Holyoke, ——; Somerville, 6.04; Salem, 21.48; Brockton,——; Chelsea, ——; Haverhill, 19.90; Taunton,——; Gloucester, 12.84; Newton, 29.52; Malden, 10.48; Fitchburg, 8.88; Waltham, 21.00; Newburyport, 14.96; Northampton, ——; Quincy, 18.90; Woburn, ——.

The total death-rate for the week was 19.31 against 19.01 and 21.43 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, June 15, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 9,	30.01	67.0	78.0	62.0	90	88	89.0	S. W.	S.		6	18		O.	O.		0.10	T.
Monday, 10,	30.06	70.0	85.0	66.0	90	95	92.0	S. W.	S. E.		9	10		R.	F.		1.35	.05
Tuesday, 11,	30.04	72.0	86.0	66.0	86	95	90.0	S. W.	S. W.		8	8		F.	R.		1.20	T.
Wednes'y, 12,	30.10	67.0	71.0	62.0	85	88	86.0	W.	S. W.		16	12		O.	O.		0.35	T.
Thursday, 13,	30.08	70.0	82.0	60.0	80	75	78.0	W.	S. W.		9	13		C.	F.			.00
Friday, 14,	30.14	74.0	84.0	66.0	79	67	73.0	W.	S. W.		6	7		C.	F.			.00
Saturday, 15,	30.04	70.0	87.0	66.0	90	82	86.0	S.	S. W.		8	21		O.	O.		1.55	.04
Week, - -	30.07		82.0	64.0			85.0										5.45	.09

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of May : —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	237	28	265	Molasses, . .	33	4	37
Butter, . . .	5	10	15	Honey, . . .	1	..	1
Cheese, . . .	2	..	2	Vinegar, . .	6	6	12
Lard, . . .	..	..	..	Canned Goods, .	..	..	..
Olive Oil, . . .	2	2	4	Tea, . . .	7	..	7
Spices, . . .	53	12	65	Coffee, . . .	1	..	1
Cream of Tartar, .	12	5	17	Confectionery, .	2	..	2
Syrups, . . .	..	..	..	Other articles of Food and Drinks, .	2	..	2
Maple Syrup, . .	3	1	4	Drugs, . . .	30	1	31
Maple Sugar, . .	2	..	2	Totals, . .	398	69	467

Percentage of adulteration, 14.8. This marked diminution in the percentage of adulterated articles examined in May, as compared with the results obtained in previous months, is due chiefly to the fact that the legal standard of milk for the months of May and June is 12 per cent. of total solids (13 per cent. being required in the other months of the year). Between these two limits of 12 and 13 per cent. are usually to be found from 30 to 40 per cent. of the samples of milk obtained, as offered for sale to consumers. Of the samples obtained in May, five were of skimmed milk of good quality, and four were artificially colored.

The unusually good collection of drugs also contributed to the diminution in the ratio of adulteration.

Eighteen complaints were entered in the courts for violation of the Food and Drug acts, of which six were for violation of the laws relating to the sale of milk, ten related to the sale of butter, one for a sale of adulterated maple sugar, and one for sale of adulterated maple syrup and lemon juice. Convictions were secured in all of the cases except three ; two of which related to sales of milk and one to a sale of butter.

In two of the cases relative to sales of oleomargarine complaints were made for illegal use of the word "Dairy" as forming a part of the label. It was claimed that this word was an essential part of the trade-mark of the wholesale dealer. In one case the defendant was convicted, and in the other, which was entered in another district, the defendant was discharged, the circumstances being the same in each case.

The cities and towns from which samples were collected during the month of May were, Boston, Lowell, Lawrence, Salem, Haverhill, Fall River, New Bedford, Cambridge, Chelsea, Somerville, Gloucester, Springfield, Holyoke, Newburyport, Newton, Malden, Waltham, Quincy, Marlborough, Framingham, Amesbury, Ayer, Concord, Revere, Westfield, Randolph and Dedham.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, June 22, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JUNE 22, 1889.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Diphtheria and Croup.	Whooping-Cough.
Boston,	413,567	158	55	33	24	10	13	6
Worcester,	78,292	22	11	6	5	3	1	..
Lowell,	71,518	41	19	11	5	10	..	..
Cambridge,	65,552	27	11	7	4	1	4	..
Fall River,	62,647	26	11	3	1	3	..	..
Lynn,	53,334	9	0	..	2	..	..	..
Springfield,	40,731	19	11	9	3	7	2	..
Lawrence,	40,619	18	11	5	3	2	2	..
New Bedford,	37,253	20	9	3	2	2	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	9	2	1	2	..	1	..
Salem,	29,011	8	5	..	1	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	..	..	..	..	..	..	..
Haverhill,	26,058	6	1	1	2	..	..	..
Taunton,	25,170	6	1	1	..	..	..	..
Gloucester,	24,263	4	0	2	..	..	..	2
Newton,	21,553	6	0	..	..	..	..	..
Malden,	19,774	8	2	3	1	..	3	..
Fitchburg,	17,534	8	2	..	1	..	..	..
Waltham,	17,332	1	0	..	..	..	..	..
Pittsfield,	15,502	5	1	..	2	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	2	2	..	1	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	9	4	1	2	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	7	4	3	..	1	1	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	3	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Diphtheria and Croup.	Whooping-Cough.
Total of reporting towns,	1,144,000	430	163	89	61	39	27	8

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Eighty-nine deaths were reported from the principal infectious diseases: diarrhœal diseases, 39; diphtheria and croup, 27; whooping-cough, 8; typhoid fever, 7; measles, 5; scarlet-fever, 1.

No deaths were reported from small-pox, malarial fever and erysipelas.

There were 61 deaths from consumption; acute lung diseases, 32; and still-births, 22.

From typhoid fever: Boston, 2; Worcester, Lowell, Cambridge, Taunton and Chicopee, 1 each. From measles: Boston, 2; Cambridge, New Bedford and Haverhill, 1 each. From scarlet-fever: Lawrence, 1. From cerebro-spinal meningitis: Worcester, 1.

Deaths from the principal infectious diseases numbered 89 against 50 for the preceding week.

Deaths under five years of age numbered 163 against 95 for the preceding week.

Cases reported in Boston: diphtheria, 44; measles, 35; scarlet-fever, 10; and typhoid fever, 6.

The death-rates for the week were: Boston, 19.86; Worcester, 14.52; Lowell, 29.81; Cambridge, 21.33; Fall River, 19.18; Lynn, 8.78; Springfield, 24.24; Lawrence, 23.02; New Bedford, 27.80; Holyoke, ——; Somerville, 13.59; Salem, 14.32; Brockton,——; Chelsea,——; Haverhill, 11.94; Taunton, 12.36; Gloucester, 8.56; Newton, 14.76; Malden, 20.96; Fitchburg, 23.68; Waltham, 3.00; Newburyport, ——; Northampton, ——; Quincy, 34.02.

The total death-rate for the week was 19.56 against 19.31 and 19.01 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, June 22, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 16,	29.99	75.0	84.0	67.0	74	82	78.0	W.	S. W.	6	12	F.	F.		.00
Monday, 17,	29.80	70.0	74.0	68.0	93	74	84.0	S. W.	N.	6	12	O.	O.	7.55	.30
Tuesday, 18,	30.10	57.0	61.0	55.0	78	82	80.0	N.	N. E.	12	6	C.	O.		.00
Wednes'y, 19,	29.94	58.0	67.0	52.0	78	80	79.0	N. E.	N.	12	11	O.	O.	0.05	T.
Thursday, 20,	29.80	71.0	84.0	56.0	76	64	70.0	W.	W.	12	12	C.	C.		.00
Friday, 21,	29.93	72.0	86.0	62.0	65	71	68.0	W.	S. W.	2	12	C.	O.		.00
Saturday, 22,	29.81	69.0	81.0	66.0	88	73	80.0	S.	W.	6	16	O.	C.	0.40	T.
Week, - -	29.91		77.0	61.0			77.0							8.40	.30

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, June 29, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JUNE 29, 1889.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	185	63	38	25	15	3	16
Worcester,	78,292	21	11	5	4	5	..	..
Lowell,	71,518	44	30	22	5	21	..	1
Cambridge,	65,552	20	9	9	4	6	..	3
Fall River,	62,647	23	9	1	5	1	..	..
Lynn,	53,334	20	0	..	3	..	..	..
Springfield,	40,731	13	5	5	1	3	..	2
Lawrence,	40,619	26	14	12	..	9	..	3
New Bedford,	37,253	9	3	..	..	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	10	4	4	1	..	..	4
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	9	0	3	1	..	..	2
Haverhill,	26,058	13	6	4	..	4	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	7	0	..	3	..	..	..
Newton,	21,553	5	0	1	1	..	1	..
Malden,	19,774	10	2	2	1	1	..	1
Fitchburg,	17,534	8	3	..	1	..	..	..
Waltham,	17,332	8	2	1	1	..	..	..
Pittsfield,	15,502	3	0	..	1	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	..	..	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	6	5	2	..	..	..	1
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	4	1	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,086,663	444	167	109	58	65	4	33

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and nine deaths were reported from the principal infectious diseases: diarrhœal diseases, 65; diphtheria and croup, 33; typhoid fever, 4; whooping-cough, 4; cerebro-spinal meningitis, 2; measles, 1.

No deaths were reported from small-pox, malarial and scarlet-fevers.

There were 58 deaths from consumption; acute lung diseases, 32; and still-births, 26.

From whooping-cough: Boston, 3; Chelsea, 1. From cerebro-spinal meningitis: Boston and Quincy, 1 each. From measles: Waltham, 1.

Deaths from the principal infectious diseases numbered 109 against 89 for the preceding week.

Deaths under five years of age numbered 167 against 163 for the preceding week.

Cases reported in Boston: diphtheria, 43; measles, 28; typhoid fever, 9; and scarlet-fever, 1.

The death-rates for the week were: Boston, 23.35; Worcester, 13.86; Lowell, 31.99; Cambridge, 15.80; Fall River, 19.09; Lynn, 19.50; Springfield, 16.59; Lawrence, 33.25; New Bedford, 26.41; Holyoke, ——; Somerville, ——; Salem, 17.90; Brockton, ——; Chelsea, 16.29; Haverhill, 25.87; Taunton, ——; Gloucester, 14.98; Newton, 12.30; Malden, 26.20; Fitchburg, 23.68; Waltham, 24.00; Newburyport, ——; Northampton, ——; Quincy, 22.68.

The total death-rate for the week was 21.24 against 19.56 and 19.31 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, June 29, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.		MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 23,	30.16	65.0	76.0	56.0	74	67		70.0	W.	W.		18	8		C.	C.			.0
Monday, 24,	30.42	66.0	75.0	55.0	61	64		62.0	N.W.	S. E.		8	4		C.	H.			.0
Tuesday, 25,	30.43	64.0	76.0	57.0	69	63		66.0	0.	S.		0	12		H.	O.			.0
Wednes'y, 26,	30.26	68.0	81.0	60.0	77	91		84.0	S. E.	S.		5	12		O.	O.		0.10	T.
Thursday, 27,	30.11	74.0	84.0	69.0	84	78		81.0	S.	S. W.		13	11		O.	O.		0.15	T.
Friday, 28,	30.16	74.0	80.0	67.0	84	84		84.0	W.	S.		6	6		F.	O.		.20	T.
Saturday, 29,	30.13	70.0	82.0	64.0	86	88		87.0	0.	0.		0	0		O.	C.		2.20	.11
Week, - -																			

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, July 6, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JULY 6, 1889.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	189	76	58	22	41	2	12
Worcester,	78,292	37	21	15	5	11	..	3
Lowell,	71,518	45	28	17	7	16	1	1
Cambridge,	65,552	34	21	13	4	10	..	2
Fall River,	62,647	32	16	12	3	12	..	..
Lynn,	53,334	16	0	2	4	..	2	..
Springfield,	40,731	23	14	10	3	6	..	4
Lawrence,	40,619	25	14	6	..	4	1	1
New Bedford,	37,253	12	7	..	4	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	16	0	4	2	1	..	3
Brockton,	28,813	8	4	..	..	..	..	..
Chelsea,	28,167	16	0	5	2	4	..	1
Haverhill,	26,058	11	10	9	1	9	..	..
Taunton,	25,170	7	3	2	1	2	..	..
Gloucester,	24,263	2	0	..	1	..	..	..
Newton,	21,553	8	2	..	..	..	..	..
Malden,	19,774	6	2	..	..	..	..	..
Fitchburg,	17,534	8	2	1	..	1	..	..
Waltham,	17,332	3	1	..	..	..	..	..
Pittsfield,	15,502	2	0	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	1	1	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	4	2	..	..	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	2	2	1	..	..	..	1

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,154,521	507	226	155	59	117	6	28

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and fifty-five deaths were reported from the principal infectious diseases: diarrhœal diseases, 117; diphtheria and croup, 28; typhoid fever, 6; whooping-cough, 3; cerebro-spinal meningitis, 1.

No deaths were reported from small-pox and malarial fever.

There were 59 deaths from consumption; acute lung diseases, 20; and still-births, 29.

From whooping-cough: Boston, 2; Worcester, 1. From cerebro-spinal meningitis: Boston, 1.

Deaths from the principal infectious diseases numbered 155 against 109 for the previous week.

Deaths under five years of age numbered 226 against 167 for the previous week.

Cases reported in Boston: measles, 22; diphtheria, 15; typhoid fever, 8; and scarlet-fever, 5.

The death-rates for the week were: Boston, 23.76; Worcester, 24.42; Lowell, 32.72; Cambridge, 26.86; Fall River, 26.56; Lynn, 15.60; Springfield, 29.35; Lawrence, 31.95; New Bedford, 16.68; Holyoke, ——; Somerville,——; Salem, 28.64; Brockton, 14.40; Chelsea, 28.96; Haverhill, 21.89; Taunton, 14.42; Gloucester, 4.28; Newton, 19.88; Malden, 15.72; Fitchburg, 23.68; Waltham, 9.00; Newburyport, 3.74; Northampton, ——; Quincy, 15.12.

The total death-rate for the week was 22.84 against 21.24 and 19.56 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 6, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
June. Sunday, 30,	30.16	74.0	83.0	68.0	74	84	79.0	S. W.	S. E.	10	3	C.	C.		.0
July. Monday, 1,	30.29	71.0	77.0	66.0	77	86	82.0	S. W.	0.	5	0	G.	C.	0.10	T.
Tuesday, 2,	30.28	67.0	72.0	64.0	90	93	92.0	S.	S. E.	3	6	O.	O.	0.48	.05
Wednes'y, 3,	30.09	71.0	77.0	69.0	95	95	95.0	S.	S. W.	11	13	R.	R.	10.30	.48
Thursday, 4,	29.87	70.0	78.0	64.0	88	92	85.0	S. W.	W.	14	9	O.	O.	8.40	.10
Friday, 5,	30.02	70.0	76.0	64.0	83	79	81.0	N.W.	S. E.	12	2	F.	C.		.0
Saturday, 6,	30.18	70.0	80.0	61.0	81	72	76.0	N.	S. W.	10	9	C.	C.		.0
Week, - -															

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 23 smaller towns of Massachusetts as reported to the State Board of Health for the month of June.

The total death-rate of reporting towns for the month was 14.51.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Whooping-Cough.	Diphtheria and Croup.
Hyde Park,	9,468	..	..	..	..	..	..	..
Plymouth,	7,633	..	..	..	..	..	..	..
Wakefield,	6,382	..	..	..	..	..	..	..
Andover,	5,985	..	..	..	..	..	..	..
Stoneham,	5,957	7	0	2	3	..	2	..
Middleborough,	5,737	7	0	1	1	..	..	..
Winchester,	5,098	5	2	..	..	..	..	..
Arlington,	5,039	..	..	..	..	..	..	..
West Springfield,	4,784	9	2	3	..	2	..	..
Revere,	4,675	3	1	..	..	..	..	..
Provincetown,	4,580	..	..	..	..	..	..	..
Hingham,	4,375	4	0	..	..	..	..	..
Amherst,	4,310	3	0	..	1	..	..	..
Concord,	4,310	4	1	..	..	..	..	..
Whitman,	4,264	..	..	..	..	..	..	..
Braintree,	4,188	..	..	..	..	..	..	..
Hudson,	4,185	3	1	..	1	..	..	..
Randolph,	3,807	..	..	..	..	..	..	..
Northbridge,	3,786	..	..	..	..	..	..	..
No. Andover,	3,585	..	..	..	..	..	..	..
Mansfield,	3,064	..	..	..	..	..	..	..
Leicester,	2,987	4	1	..	1	..	..	..
Fairhaven,	2,915	3	0	..	..	..	..	..
Nantucket,	2,912	..	..	..	..	..	..	..
Wrentham,	2,852	5	0	..	3	..	..	..
Swampscott,	2,630	9	2	..	..	..	..	..
Merrimac,	2,461	1	0	..	..	..	..	..
Chelmsford,	2,304	..	..	..	..	..	..	..
Dalton,	2,240	2	0	..	..	..	..	..
Cohasset,	2,230	1	0	..	..	..	..	..
Northborough,	2,095	..	..	..	..	..	..	..
Ashburnham,	2,058	..	..	..	..	..	..	..
Groton,	2,037	5	1	..	1	..	..	..
Longmeadow,	1,787	3	1	..	1	..	..	..
Conway,	1,573	..	..	..	..	..	..	..
Shrewsbury,	1,400	2	0	..	..	..	..	..
Huntington,	1,309	..	..	..	..	..	..	..
Topsfield,	1,141	2	0	..	..	..	..	..
Truro,	972	1	0	..	..	..	..	..
Burlington,	604	1	0	1	..	..	..	1
Heath,	575	1	0	..	..	..	..	..
Total of reporting towns,	70,262	85	12	7	12	2	2	1

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, July 13, 1889.

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of June.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JULY 13, 1889.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	238	134	86	26	72	3	6
Worcester,	78,292	..	..	..	..	..	..	..
Lowell,	71,518	44	29	23	5	21	..	1
Cambridge,	65,552	39	20	14	2	13	..	1
Fall River,	62,647	44	29	24	1	24	..	..
Lynn,	53,334	14	7	..	1	..	..	..
Springfield,	40,731	20	16	14	2	14	..	..
Lawrence,	40,619	42	28	18	1	16	..	1
New Bedford,	37,253	23	16	10	2	9	1	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	20	8	3	2	3	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	24	14	7	2	6	..	1
Haverhill,	26,058	8	4	3	..	2	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	4	1	..	..	..	..	..
Newton,	21,553	6	1	..	1	..	..	..
Malden,	19,774	7	4	3	1	3	..	..
Fitchburg,	17,534	6	1	..	1	..	..	..
Waltham,	17,332	2	1	1	1	1	..	..
Pittsfield,	15,502	2	0	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	3	0	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	..	..	..	..	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	6	4	4	1	4	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	2	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,020,559	554	318	210	49	188	4	10

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Two hundred and ten deaths were reported from the principal infectious diseases: diarrhœal diseases, 188; diphtheria and croup, 10; typhoid fever, 4; whooping-cough, 4; measles, 2; scarlet-fever, 1; cerebro-spinal meningitis, 1; erysipelas, 1.

No deaths were reported from small-pox and malarial fever.

There were 49 deaths from consumption; acute lung diseases, 18; still-births, 21.

From whooping-cough: Boston, 3; Lawrence, 1. From measles: Boston and Haverhill, 1 each. From scarlet-fever: Lowell, 1. From cerebro-spinal meningitis: Quincy, 1. From erysipelas: Boston, 1.

Deaths from the principal infectious diseases numbered 210 against 155 for the preceding week.

Deaths under five years of age numbered 318 against 226 for the preceding week.

Cases reported in Boston: typhoid fever, 18; measles, 17; diphtheria, 17; and scarlet-fever, 2.

The death-rates for the week were: Boston, 29.92; Worcester, ——; Cambridge, 30.81; Lowell, 31.99; Fall River, 36.52; Lynn, 13.65; Springfield, 25.52; Lawrence, 53.76; New Bedford, 31.97; Holyoke, ——; Somerville,——; Salem, 35.80; Brockton, ——; Chelsea, 43.44; Haverhill, 15.92; Taunton,——; Gloucester, 8.56; Newton, 14.76; Malden, 18.34; Fitchburg, 23.76; Waltham, 6.00; Newburyport, 11.22; Northampton, ——; Quincy, 18.90.

The total death-rate for the week was 28.42 against 22.84 and 21.24 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.			VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 13, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 7,	30.07	71.0	78.0	62.0	64	75	70.0	N.W.	W.	6	6	C.	C.	0.10	T.
Monday, 8,	29.91	69.0	82.0	63.0	66	97	82.0	N.W.	E.	14	9	F.	O.		.0
Tuesday, 9,	30.06	62.0	65.0	60.0	90	86	88.0	E.	S. E.	7	4	O.	O.		.0
Wednes'y, 10,	30.08	63.0	66.0	59.0	89	82	86.0	W.	E.	8	1	O.	O.	2.30	T.
Thursday, 11,	29.98	64.0	67.0	62.0	90	95	92.0	W.	S. W.	5	8	O.	O.	5.05	.04
Friday, 12,	29.98	68.0	72.0	62.0	85	86	86.0	N.	S. E.	2	6	F.	C.		.0
Saturday, 13,	29.90	72.0	86.0	66.0	90	91	90.0	S. W.	S. W.	6	13	F.	F.		.0
Week, - -	29.99		72.0	63.0			85.0							7.45	

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of June: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	222	32	254	Molasses,	10	1	11
Butter,	1	..	1	Honey,	1	1	2
Cheese,	..	..	..	Vinegar,	..	..	..
Lard,	..	..	..	Canned Goods,	..	..	..
Salad Oil,	1	..	1	Tea,	7	..	7
Spices,	42	8	50	Coffee,	1	..	1
Cream of Tartar,	11	4	15	Confectionery,	7	..	7
Syrups,	..	..	..	Other articles of Food and Drinks,	2	4	6
Maple Syrup,	..	1	1	Drugs,	92	15	107
Maple Sugar,	1	..	1	Totals,	398	66	464

Percentage of adulteration, 14.2. The marked diminution in the percentage of adulterated articles examined in May and June, as compared with the results obtained in previous months, is due chiefly to the fact that the legal standard of milk for the months of May and June is 12 per cent. of total solids (13 per cent. being required in the other months of the year). Between these two limits of 12 and 13 per cent. are usually to be found from 30 to 40 per cent. of the samples of milk obtained, as offered for sale to consumers. Of the samples obtained in June, five were of skimmed milk of good quality, and one was artificially colored.

The adulterated samples of spices were, one of cassia, one of cloves, five of pepper and one of mustard. Four samples labelled lemon juice were obtained, none of which were pure lemon juice.

Mixtures are occasionally found which are sold under the name of molasses, but on analysis prove to be adulterated with glucose. If such mixtures are not properly marked in such manner as to convey this information to the purchaser, the seller is liable to complaint at court under the Food and Drug statutes.

Five complaints were entered in the courts during the month for violation of the Food and Drug acts, four of which resulted in conviction. Three complaints were for sale of adulterated milk, one for obstruction of an inspector, and one for a sale of adulterated molasses. In the latter case the sale was made by a broker, who sold on commission for a New York firm.

The cities and towns from which samples were collected during the month of June were: Boston, Cambridge, Worcester, Lowell, Lynn, Salem, Taunton, Brockton, New Bedford, Pittsfield, North Adams, Andover, Ayer, Clinton, Brookline, North Attleborough, Spencer, Milford, Franklin, Revere, Harvard, Littleton, Stoneham and Watertown.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, July 20, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JULY 20, 1889.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diphtheria and Croup.	Whooping-Cough.	Diarrhœal Diseases.
Boston,	413,567	251	133	81	25	9	6	63
Worcester,	78,292	46	23	19	2	3	2	14
Lowell,	71,518	49	30	19	5	..	..	18
Cambridge,	65,552	28	13	12	3	3	2	5
Fall River,	62,647	44	34	24	1	..	..	24
Lynn,	53,334	13	..	1	3	..	..	1
Springfield,	40,731	25	14	15	7	..	..	15
Lawrence,	40,619	18	11	11	..	3	..	8
New Bedford,	37,253	22	12	12	2	..	..	12
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	16	4	3	1	1	..	1
Brockton,	28,813	6	5	3	..	..	..	3
Chelsea,	28,167	14	11	6	..	..	..	6
Haverhill,	26,058	10	4	3	..	..	..	3
Taunton,	25,170	14	6	5	1	..	..	3
Gloucester,	24,263	6	2	3	1	..	..	2
Newton,	21,553	7	4	4	1	1	..	2
Malden,	19,774	9	6	6	1	..	..	6
Fitchburg,	17,534	7	2	..	1	..	..	..
Waltham,	17,332	3	0	1	..	..	..	1
Pittsfield,	15,502	3	2	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	9	4	2	1	..	..	2
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	9	6	5	1	1	..	3
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	2	2	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diphtheria and Croup.	Whooping-Cough.	Diarrhœal Diseases.
Total of reporting towns,	1,154,521	611	328	235	56	21	10	192

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND GREATER TOWNS OF MASSACHUSETTS.

Two hundred and thirty-five deaths were reported from the principal infectious diseases: diarrhœal diseases, 192; diphtheria and croup, 21; whooping-cough, 10; typhoid fever, 8; cerebro-spinal meningitis, 3; measles, 1.

No deaths were reported from small-pox and malarial fever.

There were 56 deaths from consumption; acute lung diseases, 30; still-births, 21.

From typhoid fever: Boston, 3; Lowell, Cambridge, Salem, Taunton and Newton, 1 each. From cerebro-spinal meningitis: Taunton, Gloucester and Quincy, 1 each. From measles: Cambridge, 1.

Deaths from the principal infectious diseases numbered 235 against 210 for the preceding week.

Deaths under five years of age numbered 328 against 318 for the preceding week.

Cases reported in Boston: typhoid fever, 23; diphtheria, 22; measles, 7; and scarlet-fever, 3.

The death-rates for the week were: Boston, 31.55; Worcester, 30.36; Lowell, 35.62; Cambridge, 22.12; Fall River, 36.52; Lynn, 12.67; Springfield, 31.90; Lawrence, 23.02; New Bedford, 21.19; Holyoke, ——; Somerville, 25.67; Salem, 28.64; Brockton, 10.40; Chelsea, 25.34; Haverhill, 19.90; Taunton, 28.84; Gloucester, 12.84; Newton, 17.22; Malden, 23.58; Fitchburg, 20.72; Waltham, 9.00; Newburyport, 33.66; Northampton, ——; Quincy, 34.02.

The total death-rate for the week was 27.52 against 28.42 and 22.84 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, July 20, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 14,	29.76	75.0	84.0	71.0	83	71	77.0	N.W.	N.		11	6		O.	O.			.0
Monday, 15,	29.80	59.0	64.0	57.0	94	91	92.0	N.E.	N.		12	6		R.	F.		17.50	.89
Tuesday, 16,	29.88	67.0	79.0	55.0	65	60	62.0	N.W.	S.W.		11	10		C.	C.			.0
Wednes'y, 17,	29.87	69.0	80.0	62.0	72	81	76.0	W.	S.E.		10	3		F.	C.		1.25	.15
Thursday, 18,	29.94	68.0	74.0	60.0	76	74	75.0	N.E.	S.		4	12		C.	C.			.0
Friday, 19,	29.90	71.0	82.0	60.0	74	82	78.0	S.W.	S.		6	13		C.	O.			.0
Saturday, 20,	29.70	72.0	80.0	68.0	95	80	88.0	S.	N.		24	5		O.	C.		13.40	.68
Week, - -			77.0	62.0			78.0										32.55	1.72

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, July 27, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING JULY 27, 1889.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Diphtheria and Croup.	Typhoid Fever.
Boston,	413,567	238	114	81	26	60	10	4
Worcester,	78,292	37	18	22	..	21	..	..
Lowell,	71,518	42	26	19	2	16	3	..
Cambridge,	65,552	32	16	13	4	9	2	1
Fall River,	62,647	31	21	15	..	14	..	1
Lynn,	53,334	21	..	4	..	..	2	..
Springfield,	40,731	26	15	12	2	11	..	..
Lawrence,	40,619	38	18	15	3	10	3	1
New Bedford,	37,253	28	19	16	3	15	..	1
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	23	13	7	2	6	..	1
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	16	8	9	3	9	..	..
Haverhill,	26,058	11	4	5	..	3	1	1
Taunton,	25,170	16	9	3	8	3	..	..
Gloucester,	24,263	8	1	1	3	..	..	..
Newton,	21,553	4	2	..	..	..	..	..
Malden,	19,774	11	7	5	..	4	1	..
Fitchburg,	17,534	4	0	..	1	..	..	..
Waltham,	17,332	6	4	4	1	4	..	..
Pittsfield,	15,502	6	5	2	..	2	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	4	3	3	..	2	..	1
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	6	5	2	1	2	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	8	7	4	1	4	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	6	3	3	2	3	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Diphtheria and Croup.	Typhoid Fever.
Total of reporting towns,	1,137,749	622	318	245	62	198	22	11

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Two hundred and forty-five deaths were reported from the principal infectious diseases: diarrhœal diseases, 198; diphtheria and croup, 22; typhoid fever, 11; whooping-cough, 8; measles, 3; cerebro-spinal meningitis, 2; scarlet-fever, 1.

No deaths were reported from small-pox and malarial fevers.

There were 62 deaths from consumption; acute lung diseases, 20; still-births, 20.

From whooping-cough: Boston, 5; Lynn, 2; Gloucester, 1. From measles: Boston, 2; Cambridge, 1. From cerebro-spinal meningitis: Worcester and Springfield, 1 each. From scarlet-fever, Lawrence, 1.

Deaths from the principal infectious diseases numbered 245 against 235 for the preceding week.

Deaths under five years of age numbered 318 against 328 for the preceding week.

Cases reported in Boston: diphtheria, 24; typhoid fever, 21; measles, 8; and scarlet-fever, 6.

The death-rates for the week were: Boston, 29.92; Worcester, 24.42; Lowell, 30.53; Cambridge, 25.28; Fall River, 25.73; Lynn, 20.47; Springfield, 33.18; Lawrence, 48.64; New Bedford, 38.92; Holyoke, ——; Somerville, ——; Salem, 41.17; Brockton, ——; Chelsea, 28.97; Haverhill, 21.89; Taunton, 26.96; Gloucester, 17.12; Newton, 9.84; Malden, 28.82; Fitchburg, 11.84; Waltham, 18.00; Newburyport, 14.96; Northampton, ——; Quincy, 22.68.

The total death-rate for the week was 27.16 against 28.42 and 22.84 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.			VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, July 27, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 21,	29.86	73.0	82.0	66.0	72	62	67.0	N.W.	N.W.	12	6	C.	C.		.0
Monday, 22,	29.95	68.0	71.0	63.0	72	90	81.0	N. E.	E.	11	6	C.	F.		.0
Tuesday, 23,	29.77	70.0	79.0	65.0	90	81	86.0	S. W.	S. W.	10	8	O.	C.	2.55	.20
Wednes'y, 24,	29.89	66.0	76.0	60.0	65	63	64.0	N.W.	N.	10	5	C.	C.	0.45	T.
Thursday, 25,	30.06	67.0	76.0	57.0	49	67	58.0	N.W.	S. W.	9	12	C.	C.		.0
Friday, 26,	30.15	66.0	71.0	60.0	63	87	75.0	N. E.	E.	6	5	C.	F.		.0
Saturday, 27,	29.96	63.0	64.0	61.0	100	100	100.0	N. E.	N.	19	12	R.	R.	14.30	1.75
Week, - -	29.95		74.0	62.0			76.0							18.10	1.95

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 3, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING AUGUST 3, 1889.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	238	121	64	27	48	6	8
Worcester,	78,292	36	22	18	1	13	1	2
Lowell,	71,518	44	26	21	7	18	..	2
Cambridge,	65,552	32	15	14	4	10	1	3
Fall River,	62,647	46	31	29	3	25	2	1
Lynn,	53,334	23	..	6	5	6	..	..
Springfield,	40,731	13	6	5	..	4	..	1
Lawrence,	40,619	26	16	11	..	6	..	3
New Bedford,	37,253	27	18	8	..	6	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	23	11	8	..	6	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	17	8	4	1	4	..	..
Haverhill,	26,058	8	2	1	..	..	1	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	4	1	..	1	..	..	..
Newton,	21,553	..	..	..	..	..	..	..
Malden,	19,774	8	4	4	1	2	..	2
Fitchburg,	17,534	7	5	2	1	2	..	..
Waltham,	17,332	9	2	1	3	1	..	..
Pittsfield,	15,502	15	8	5	1	4	1	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	13	7	4	..	3	1	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	7	6	2	1	1	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	1	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,078,985	597	310	207	56	139	13	22

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Two hundred and seven deaths were reported from the principal infectious diseases: diarrhœal diseases, 139; diphtheria and croup, 22; typhoid fever, 13; cerebro-spinal meningitis, 5; scarlet-fever, 3; whooping-cough, 3; erysipelas, 1.

No deaths were reported from small-pox and malarial fevers.

There were 56 deaths from consumption; acute lung diseases, 63; still-births, 25.

From cerebro-spinal meningitis: Boston, Worcester, Lowell, Salem and Quincy, 1 each. From scarlet-fever: Lawrence, 2: Boston, 1. From whooping-cough: New Bedford, 2; Worcester, 1. From erysipelas: Fall River, 1.

Deaths from the principal infectious diseases numbered 207 against 245 for the preceding week.

Deaths under five years of age numbered 310 against 318 for the preceding week.

Cases reported in Boston: typhoid fever, 46; diphtheria, 14; measles, 10; and scarlet-fever, 10.

The total death-rates for the week were: Boston, 29.92; Worcester, 23.76; Lowell, 31.99; Cambridge, 25.28; Fall River, 38.18; Lynn, 22.43; Springfield, 16.59; Lawrence, 33.25; New Bedford, 37.53; Holyoke, ——; Somerville, ——; Salem, 41.17; Brockton, ——; Chelsea, 30.77; Haverhill, 15.92; Taunton, ——; Gloucester, 9.56; Newton, ——; Malden, 20.96; Fitchburg, 20.72; Waltham, 27.00; Newburyport, 48.62; Northampton, ——; Quincy, 26.46.

The total death-rate for the week was 28.70 against 27.16 and 28.42 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 3, 1889.	MEAN.	MEAN OF MAX. AND MIN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
July.																	
Sunday, 28,	30.02	62.0	66.0	59.0	89	95	92.0	N.	S. E.	2	4		O.	O.		2.00	.06
Monday, 29,	30.02	72.0	84.0	59.0	95	83	89.0	S. W.	S. W.	3	20		O.	O.		5.50	.49
Tuesday, 30,	30.11	78.0	85.0	72.0	87	93	90.0	S. W.	S. W.	12	14		O.	O.		9.40	.15
Wednes'y, 31,	30.20	78.0	85.0	70.0	93	86	90.0	S. W.	S. W.	12	10		O.	O.		8.25	.76
Aug.																	
Thursday, 1,	30.14	76.0	80.0	71.0	88	91	90.0	S. W.	S. W.	6	11		O.	O.		8.20	1.50
Friday, 2,	30.04	78.0	84.0	72.0	88	85	86.0	S. W.	S. W.	12	15		O.	C.			.0
Saturday, 3,	30.00	74.0	78.0	69.0	89	91	90.0	S. W.	S. W.	12	9		O.	F.		3.45	.24
Week, - -	30.07		80.0	67.0			88.0									38.00	3.20

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 22 smaller towns of Massachusetts as reported to the State Board of Health for the month of July.

The total death-rate of reporting towns for the month was 14.32.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Hyde Park,	9,468	..	..	..	..	..	..	..
Plymouth,	7,633	..	..	..	..	..	..	..
Wakefield,	6,382	..	..	..	..	..	..	..
Andover,	5,985	..	..	..	..	..	..	..
Stoneham,	5,957	7	1	..	2	..	..	..
Middleborough,	5,737	5	1	..	..	..	..	..
Winchester,	5,098	7	3	3	1	3	..	..
Arlington,	5,039	..	..	..	..	..	..	..
West Springfield,	4,784	10	9	8	..	8	..	..
Revere,	4,675	..	..	..	..	..	..	..
Provincetown,	4,580	..	..	..	..	..	..	..
Hingham,	4,375	6	2	..	..	..	..	..
Amherst,	4,310	..	..	..	..	..	..	..
Concord,	4,310	2	0	..	1	..	..	..
Whitman,	4,264	..	..	..	..	..	..	..
Braintree,	4,188	..	..	..	..	..	..	..
Hudson,	4,185	1	0	..	..	..	..	..
Randolph,	3,807	4	2	..	1	..	..	..
Northbridge,	3,786	..	..	..	..	..	..	..
No. Andover,	3,585	..	..	..	..	..	..	..
Mansfield,	3,064	..	..	..	..	..	..	..
Leicester,	2,987	2	0	2	..	..	1	1
Fairhaven,	2,915	..	..	..	..	..	..	..
Nantucket,	2,912	8	0	..	..	..	..	..
Wrentham,	2,852	2	1	..	..	..	..	..
Swampscott,	2,630	5	1	..	..	..	..	..
Merrimac,	2,461	1	0	1	..	1	..	..
Chelmsford,	2,304	..	..	..	..	..	..	..
Dalton,	2,240	4	0	2	1	1	..	..
Cohasset,	2,230	3	2	2	..	1	..	1
Northborough,	2,095	5	1	1	..	1	..	..
Ashburnham,	2,058	..	..	..	..	..	..	..
Groton,	2,037	1	1	1	..	..	..	1
Longmeadow,	1,787	2	1	1	..	1	..	..
Conway,	1,573	1	0	..	..	..	..	..
Shrewsbury,	1,400	3	0	1	..	1	..	..
Huntington,	1,309	..	..	..	..	..	..	..
Topsfield,	1,141	..	..	..	..	..	..	..
Truro,	972	0	0	..	..	..	..	..
Burlington,	604	1	0	..	..	..	..	..
Heath,	575	..	..	..	..	..	..	..
Total of reporting towns,	67,033	80	25	22	6	17	1	3

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 10, 1889.

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of July.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING AUGUST 10, 1889.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as herctofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Whooping-Cough.	Diphtheria and Croup.
Boston,	413,567	218	90	60	33	49	5	5
Worcester,	78,292	42	23	16	2	13	2	..
Lowell,	71,518	36	20	17	3	15	..	1
Cambridge,	65,552	40	19	15	4	10	..	5
Fall River,	62,647	49	29	28	5	24	..	..
Lynn,	53,334	21	..	..	9	..	..	..
Springfield,	40,731	13	6	6	..	2	2	2
Lawrence,	40,619	24	10	7	1	5	..	1
New Bedford,	37,253	18	6	7	1	6	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	19	9	3	2	2	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	12	4	2	2	2	..	..
Haverhill,	26,058	12	8	4	2	4	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	5	1	1	1	1	..	..
Newton,	21,553	8	5	2	..	1	..	..
Malden,	19,774	7	2	1	2	1	..	..
Fitchburg,	17,534	7	4	4	3	4	..	..
Waltham,	17,332	3	2	1	..	1	..	..
Pittsfield,	15,502	11	9	9	1	9	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	5	1	..	2	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	6	3	1	1	1	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	3	2	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Whooping Cough.	Diphtheria and Croup.
Total of reporting towns,	1,100,538	559	253	184	75	150	9	14

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and eighty-four deaths were reported from the principal infectious diseases: diarrhœal diseases, 150; diphtheria and croup, 14; whooping-cough, 9; typhoid fever, 6; measles, 2; scarlet-fever, 2; cerebro-spinal meningitis, 1.

No deaths were reported from small-pox and malarial fevers.

There were 75 deaths from consumption; acute lung diseases, 16; still-births, 26.

From typhoid fever: Fall River, 2; Lawrence, New Bedford, Salem and Newton, 1 each. From measles: Boston and Lowell, 1 each. From scarlet-fever: Fall River, 2. From cerebro-spinal meningitis: Worcester, 1.

Deaths from the principal infectious diseases numbered 184 against 207 for the preceding week.

Deaths under five years of age numbered 253 against 310 for the preceding week.

Cases reported in Boston: typhoid fever, 40; diphtheria, 17; measles, 6; and scarlet-fever, 5.

The total death-rates for the week were: Boston, 27.40; Worcester, 27.72; Lowell, 26.17; Cambridge, 31.60; Fall River, 40.67; Lynn, 20.48; Springfield, 16.61; Lawrence, 30.69; New Bedford, 25.02; Holyoke, ——; Somerville, ——; Salem, 24.01; Brockton, ——; Chelsea, 21.72; Haverhill, 23.88; Taunton, ——; Gloucester, 10.70; Newton, 19.88; Malden, 18.34; Fitchburg, 20.72; Waltham, 9.00; Newburyport, 18.70; Northampton, ——; Quincy, 22.68.

The total death-rate for the week was 26.41 against 28.70 and 27.16 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.			VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Aug. 10, 1889.	MEAN.	MEAN OF MAX. AND MIN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Aug. Sunday, 4,	30.07	75.0	82.0	68.0	77	62	70.0	S. W.	S. W.	5	12	C.	C.		.0
Monday, 5,	30.09	66.0	70.0	61.0	85	95	90.0	S. W.	N. W.	4	2	O.	O.	5.50	.12
Tuesday, 6,	30.18	64.0	70.0	59.0	71	87	79.0	N. W.	S. E.	8	8	C.	C.		.0
Wednes'y, 7,	30.11	68.0	77.0	60.0	71	77	74.0	N. W.	O.	6	0	C.	C.		.0
Thursday, 8,	30.18	64.0	72.0	55.0	60	71	66.0	N.	S.	8	11	C.	C.		.0
Friday, 9,	30.04	70.0	78.0	61.0	82	86	84.0	S. W.	S. W.	12	12	O.	R.	0.05	T.
Saturday, 10,	29.88	72.0	80.0	64.0	83	69	76.0	S. W.	N.	8	8	O.	C.	2.40	.22
Week, - -	30.08		75.0	61.0			77.0							7.95	.34

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of July: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	107	153	260	Molasses,	41	5	46
Butter,	1	2	3	Honey,	5	4	9
Cheese,	..	..	..	Vinegar,	12	12	24
Lard,	..	..	..	Canned Goods,	..	..	..
Olive Oil,	2	3	5	Tea,	8	..	8
Spices,	67	11	78	Coffee,	2	..	2
Cream of Tartar,	24	..	24	Confectionery,	..	..	..
Syrups,	..	..	..	Other articles of Food and Drinks,	9	3	12
Maple Syrup,	1	..	1	Drugs,	46	6	52
Maple Sugar,	..	..	..	Totals,	325	199	524

Percentage of adulteration, 37.9. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

Ten complaints were entered in the courts during the month for violation of the laws relative to Food and Drug inspection; six were for violations of the milk laws, and one each for sale of adulterated maple syrup, molasses, honey and lemon juice.

In all of these the parties were found guilty: in one case the defendant was acquitted.

In three cases the parties appealed.

One case which was appealed in May was settled in the superior court in July by payment of one hundred and fifty dollars and costs.

A case of obstruction of an inspector by a milkman, which had been appealed, was settled in July, in the superior court, the case being put on file on payment of costs.

The articles which were examined but not specified in the summary given above were soda, lemon juice and colored sugars. The five adulterated samples of molasses contained glucose in varying proportions.

The drugs examined were Opium, Sulphate of Quinine, Essential Oils, Tinctures of Opium and Nux Vomica, Sulphate of Magnesia, Extract of Licorice, Spices, Bitartrate of Potash, Syrup, Distilled Water, Tannic Acid, Iodoform, Chloroform, Ether, Lycopodium and Arrow-root. The only articles which did not conform to the standard were two samples of Tincture of Opium, three of Tincture of Nux Vomica and one of Distilled Water.

The cities and towns from which samples of food were collected during the month were as follows: — Boston, Worcester, Cambridge, Lowell, Newton, Salem, Lawrence, Springfield, Taunton, Haverhill, Somerville, Chicopee, Beverly, Hopkinton, Marlborough, Woburn, Stoneham, Westborough, Winthrop, Hull, Quincy, Natick, Brookline and Northborough.

Just Issued

NEW 12th EDITION

Wood's Therapeutics

Based upon the 1900 Revision of the United States Pharmacopœia

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The expectation for the past two years that the 1900 revision of the United States Pharmacopœia would appear in the course of a few months has delayed the preparation and publication of the Twelfth Edition of this work much beyond the period of time that has heretofore elapsed between successive appearances of the book As the result of this, and of the radical alterations which have been made in the United States Pharmacopœia, the changes in and the additions to the present volume far exceed those of any other previous edition.

Besides the changes necessary to make the work conform closely to the new Pharmacopœia there are a large number of other important alterations. The chapters on expectorants and on disinfectants have been completely rewritten and new, systematic classifications of these drugs adopted. A detailed consideration of local anesthesia, including the so-called spinal and neural anesthesias, has been added. Hyoscine has been considered with the delirifacients, camphor has been placed among the cardiac stimulants, and carbolic acid with the disinfectants. The articles on these drugs, and also those on morphine derivatives, alcohol, methylene-blue, xanthin bases, and the antitoxins, are practically new. Over seventy new drugs have been added to those formerly discussed, among which may be mentioned: agurin, airol, anæsthesin, argyrol, apocynum, bismuth subiodide, bismutose, collargol, creosotal, erythrol tetranitrate, gelatin, geosote, helmitol, hedonal, hydrofluoric acid, hetol, isarol, isopral, kaolin, lecithin, lysol, nirvanin, orexine, oxycamphor, pyrosal, quinic acid, scopola, sidonal, salipyrin, thiosinamine, theocine, tachiol, theocol, urasol, urotropin, and veronal.

The drugs which are of very little importance, or not recognized by the United States Pharmacopœia, or are in any way of such novelty and character that they do not concern the student of medicine, are discussed in small type. The revision of the book is thorough, and with the addition of the numerous new remedies it will be found, as a work of reference, distinctly more satisfactory than ever before.

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Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 24, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING AUGUST 24, 1889.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	235	88	70	13	40	10	14
Worcester,	78,292	29	15	11	4	9	1	..
Lowell,	71,518	50	29	20	6	14	1	3
Cambridge,	65,552	25	13	10	3	7	1	1
Fall River,	62,647	41	26	14	3	12	1	1
Lynn,	53,334	18	0	3	5	2	1	..
Springfield,	40,731	8	5	2	1	2	..	..
Lawrence,	40,619	28	10	9	5	4	1	4
New Bedford,	37,253	23	13	9	2	8	1	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	16	8	3	1	2	..	1
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	..	..	..	..	..	..	..
Haverhill,	26,058	16	7	2	2	1	..	..
Taunton,	25,170	16	4	3	2	2	1	..
Gloucester,	24,263	8	3	2	1	1	..	..
Newton,	21,553	5	0	1	..	1	..	..
Malden,	19,774	9	2	3	2	1	1	..
Fitchburg,	17,534	10	3	2	..	2	..	..
Waltham,	17,332	5	2	2	..	1	..	1
Pittsfield,	15,502	2	1	1	..	1	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	9	2	2	1	2	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	8	3	3	2	2	..	1
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	3	2	2	..	2	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,097,541	574	236	174	53	116	19	26

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and seventy-four deaths were reported from the principal infectious diseases: diarrhœal diseases, 116; diphtheria and croup, 26; typhoid fever, 19; whooping-cough, 6; cerebro-spinal meningitis, 3; measles, 2; scarlet-fever, 1; malarial typhoid fever, 1.

No deaths were reported from small-pox.

There were 53 deaths from consumption; acute lung diseases, 26; still-births, 19.

From whooping-cough: Boston, 3; Lowell, Cambridge, and Malden, 1 each. From cerebro-spinal meningitis: Boston, Worcester and Gloucester, 1 each. From measles: Boston and Haverill, 1 each. From scarlet-fever: Lowell, 1.

Deaths from the principal infectious diseases numbered 174 against 198 for the preceding week.

Deaths under five years of age numbered 236 against 273 for the preceding week.

Cases reported in Boston: typhoid fever, 51; diphtheria, 23; scarlet-fever 3; and measles, 1. Twenty-three cases of typhoid fever were reported in Fall River, in most instances of a malarial nature.

The total death-rates for the week were: Boston, 29.54; Worcester, 19.14; Lowell, 36.35; Cambridge, 19.75; Fall River, 34.03; Lynn, 17.35; Springfield, 9.81; Lawrence, 35.81; New Bedford, 31.97; Holyoke, ——; Somerville, ——; Salem, 28.64; Brockton, ——; Chelsea, ——; Haverhill, 31.84; Taunton, 32.96; Gloucester, 17.12; Newton, 12.30; Malden, 23.58; Fitchburg, 29.60; Waltham, 15.00; Newburyport, 33.66; Northampton, ——; Quincy, 11.34.

The total death-rate for the week was 27.19 against 25.00 and 26.41 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug. 17, 1889.	MEAN.	MEAN OF MAX. AND MIN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Aug.																		
Sunday, 18,	30.06	67.0	76.0	58.0	76	66	71.0	W.	W.		5	7		C.	C.			.0
Monday, 19,	30.03	68.0	79.0	58.0	74	72	73.0	W.	W.		11	9		C.	O.			.0
Tuesday, 20,	29.95	72.0	80.0	65.0	81	72	76.0	N. W.	S. E.		11	2		F.	C.			.0
Wednes'y, 21,	29.93	71.0	77.0	65.0	65	72	68.0	N. W.	S.		4	10		C.	C.		0.15	T.
Thursday, 22,	29.88	76.0	82.0	69.0	70	59	74.0	W.	W.		12	8		C.	C.			.0
Friday, 23,	30.04	70.0	77.0	63.0	63	71	67.0	W.	S. E.		4	4		O.	O.			.0
Saturday, 24,	30.12	65.0	68.0	62.0	95	100	98.0	N. E.	S. E.		2	4		R.	G.		12.00	.39
Week, - -	30.00		77.0	63.0			75.0										12.15	.39

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Aug. 31, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING AUGUST 31, 1889.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	218	95	61	26	42	7	8
Worcester,	78,292	29	15	9	2	8	..	1
Lowell,	71,518	39	16	10	5	2	3	5
Cambridge,	65,552	23	12	10	2	6	1	1
Fall River,	62,647	29	20	10	..	8	2	..
Lynn,	53,334	19	8	1	1	..	..	..
Springfield,	40,731	21	6	8	..	5	2	1
Lawrence,	40,619	27	13	16	..	7	..	9
New Bedford,	37,253	16	8	2	4	..	2	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	5	3	4	..	3	..	..
Salem,	29,011	13	..	1	..	1	..	..
Brockton,	28,813	6	3	1	..	1	..	..
Chelsea,	28,167	8	3	1	..	1	..	..
Haverhill,	26,058	..	..	..	..	..	..	..
Taunton,	25,170	..	..	..	..	..		..
Gloucester,	24,263	12	4	1	1	..	..	..
Newton,	21,553	..	..	..	..	..	..	..
Malden,	19,774	6	4	2	..	2	..	..
Fitchburg,	17,534	10	4	..	2	..	..	..
Waltham,	17,332	4	3	2	..	2	..	..
Pittsfield,	15,502	5	1	2	..	1	1	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	..	..	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	4	1	1	..	..	..	1
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	4	2	2	..	2	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,102,283	498	221	144	43	91	18	26

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and forty-four deaths were reported from the principal infectious diseases: diarrhœal diseases, 91; diphtheria and croup, 26; typhoid fever, 18; whooping-cough, 6; cerebro-spinal meningitis, 2; scarlet-fever, 1.

No deaths were reported from small-pox and malarial fever.

There were 43 deaths from consumption; acute lung diseases, 23; still-births, 16.

From whooping-cough: Boston, 3; Cambridge, Lynn and Gloucester, 1 each. From cerebro-spinal meningitis: Cambridge and Somerville, 1 each. From scarlet-fever: Boston, 1.

Deaths from the principal infectious diseases numbered 144 against 174 for the preceding week.

Deaths under five years of age numbered 221 against 236 for the preceding week.

Cases reported in Boston: diphtheria, 31; typhoid fever, 38; scarlet-fever, 5; measles, 1.

The total death-rates for the week were: Boston, 27.40; Worcester, 19.14; Lowell, 28.35; Cambridge, 18.17; Fall River, 24.07; Lynn, 18.43; Springfield, 26.80; Lawrence, 34.83; New Bedford, 22.24; Holyoke, ——; Somerville, 7.55; Salem, 23.27; Brockton, 10.80; Chelsea, 14.48; Haverhill, ——; Taunton, ——; Gloucester, 25.68; Newton, ——; Malden, 15.72; Fitchburg, 29.60; Waltham, 12.00; Newburyport, ——; Northampton, ——; Quincy, 15.12.

The total death-rate for the week was 23.49 against 27.19 and 25.00 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Aug 31, 1889.	MEAN.	MEAN OF MAX. AND MIN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Aug. 25,	30.24	64.0	68.0	59.0	85	87	86.0	O.	E.	0	6	O.	C.			.0
Monday, 26,	30.36	64.0	68.0	60.0	84	84	84.0	N. E.	N. E.	12	12	O.	C.			.0
Tuesday, 27,	30.36	60.0	65.0	54.0	91	75	83.0	N. E.	E.	7	4	O.	C.			.0
Wednes'y, 28,	30.28	58.0	65.0	52.0	54	84	69.0	N.	E.	1	7	F.	C.			.0
Thursday, 29,	30.19	60.0	66.0	55.0	84	89	86.0	N. E.	E.	4	6	O.	C.			.0
Friday, 30,	30.12	65.0	74.0	56.0	94	77	86.0	N.	S. W.	1	9	F.	C.			.0
Saturday, 31,	30.19	70.0	76.0	64.0	68	82	75.0	N.	E.	8	1	C.	C.			.0
Week, - -																

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 7, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING SEPTEMBER 7, 1889.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	227	96	53	34	34	6	12
Worcester,	78,292	33	17	13	4	9	1	1
Lowell,	71,518	51	31	25	7	18	1	5
Cambridge,	65,552	21	11	6	3	3	..	1
Fall River,	62,647	41	23	20	3	16	1	..
Lynn,	53,334	15	..	4	1	3	..	1
Springfield,	40,731	17	4	6	1	1	1	2
Lawrence,	40,619	27	14	5	1	..	3	1
New Bedford,	37,253	16	8	6	1	6	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	16	6	4	1	1	1	1
Brockton,	28,813	6	2	2	..	2	..	..
Chelsea,	28,167	5	1	2	1	2	..	..
Haverhill,	26,058	9	..	..	..	..	..	..
Taunton,	25,170	12	1	3	3	1	2	..
Gloucester,	24,263	7	6	5	..	5	..	..
Newton,	21,553	2	1	..	..	..	..	..
Malden,	19,774	13	8	4	2	4	..	..
Fitchburg,	17,534	9	3	2	1	2	..	..
Waltham,	17,332	10	3	1	3	..	..	1
Pittsfield,	15,502	4	3	3	1	2	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	6	2	1	..	1	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	6	3	4	..	1	1	1
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	2	1	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,154,521	555	244	169	68	111	17	26

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and sixty-nine deaths were reported from the principal infectious diseases: diarrhœal diseases, 111; diphtheria and croup, 26; typhoid fever, 17; cerebro-spinal meningitis, 5; whooping-cough, 5; measles, 2; malarial fever, 2; scarlet-fever, 1.

No deaths were reported from small-pox.

There were 68 deaths from consumption; acute lung diseases, 32; still-births, 23.

From cerebro-spinal meningitis: Boston, Worcester, Springfield, Quincy and Pittsfield, 1 each. From whooping-cough: Cambridge, 2; Worcester, Fall River and Springfield, 1 each. From measles: Lowell and Salem, 1 each. From malarial fever: Fall River, 2.

Deaths from the principal infectious diseases numbered 169 against 144 for the previous week.

Deaths under five years of age numbered 244 against 221 for the previous week.

Cases reported in Boston: typhoid fever, 49; diphtheria, 21; measles and scarlet-fever, 3 each.

The total death-rates for the week were: Boston, 35.34; Worcester, 21.78; Lowell, 37.08; Cambridge, 16.59; Fall River, 34.03; Lynn, 14.63; Springfield, 21.69; Lawrence, 34.53; New Bedford, 22.24; Holyoke, ——; Somerville, ——; Salem, 28.64; Brockton, 10.80; Chelsea, 9.05; Haverhill, 17.91; Taunton, 24.72; Gloucester, 14.98; Newton, 4.92; Malden, 34.06; Fitchburg, 26.64; Waltham, 30.00; Newburyport, 22.44; Northampton, ——; Quincy, 22.68.

The total death-rate for the week was 24.91 against 23.49 and 27.19 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Sept. 7, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.		8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 1,	30.34	66.0	70.0	61.0	77	89		N.	E.	8	5	C.	C.			.00
Monday, 2,	30.26	66.0	75.0	56.0	91	80		S. W.	S. W.	2	8	G.	C.			.00
Tuesday, 3,	30.15	71.0	82.0	60.0	82	84		S. W.	S. W.	5	8	C.	C.			.00
Wednes'y, 4,	30.17	72.0	83.0	60.0	85	90		S. W	S. W.	6	12	C.	C.			.00
Thursday, 5,	30.16	70.0	79.0	61.0	85	91		0.	S.	0	10	C.	O.		0.25	.01
Friday, 6,	30.12	77.0	83.0	71.0	86	86		S.	S.	9	8	O.	F.			.00
Saturday, 7,	30.20	68.0	71.0	64.0	100	90		S.	E.	5	8	G.	O.			.00
Week, - -																

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 24 smaller towns of Massachusetts as reported to the State Board of Health for the month of August.

The total death-rate of reporting towns for the month was 20.73.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Hyde Park,	9,468	..	..	..	..	..	..	..
Plymouth,	7,633	..	..	..	..	..	..	..
Wakefield,	6,382	..	..	..	..	..	..	..
Andover,	5,985	..	..	..	..	..	..	..
Stoneham,	5,957	7	1	1	3	1	..	..
Middleborough,	5,737	9	1	2	..	1	..	..
Winchester,	5,098	8	2	3	..	1	2	..
Arlington,	5,039	..	..	..	..	..	..	..
West Springfield,	4,784	9	4	4	1	2	2	..
Revere,	4,675	13	3	7	1	7	..	..
Provincetown,	4,580	..	..	..	..	..	..	..
Hingham,	4,375	10	4	3	1	3	..	..
Amherst,	4,310	..	..	..	..	..	..	..
Concord,	4,310	7	2	1	2	1	..	..
Whitman,	4,264	..	..	..	..	..	..	..
Braintree,	4,188	..	..	..	..	..	..	..
Hudson,	4,185	9	2	..	1	..	..	..
Randolph,	3,807	10	0	..	1	..	..	..
Northbridge,	3,786	..	..	..	..	..	..	..
No. Andover,	3,585	..	..	..	..	..	..	..
Mansfield,	3,064	..	..	..	..	..	..	..
Leicester,	2,987	2	0	..	..	..	..	..
Fairhaven,	2,915	6	1	..	1	..	..	..
Nantucket,	2,912	8	0	1	1	..	..	1
Wrentham,	2,852	2	0	..	1	..	..	..
Swampscott,	2,630	8	5	1	2	1	..	..
Merrimac,	2,461	4	1	..	..	..	..	..
Chelmsford,	2,304	..	..	..	..	..	..	..
Dalton,	2,240	3	0	1	..	..	1	..
Cohasset,	2,230	1	1	1	..	1	..	..
Northborough,	2,095	3	1	2	..	2	..	..
Ashburnham,	2,058	..	..	..	..	..	..	..
Groton,	2,037	1	0	1	..	1	..	..
Longmeadow,	1,787	..	..	..	..	..	..	..
Conway,	1,573	1	0	..	..	..	..	..
Shrewsbury,	1,400	1	0	..	..	..	..	..
Huntington,	1,309	2	0	2	..	..	..	2
Topsfield,	1,141	..	..	..	..	..	..	..
Truro,	972	1	1	1	..	1	..	..
Burlington,	604	..	..	..	..	..	..	..
Wendell,	575	3	0	1	1	1	..	..
Total of reporting towns,	74,086	128	29	32	16	23	5	3

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 14, 1889.

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of August.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING SEPTEMBER 14, 1889.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	204	98	57	20	39	6	11
Worcester,	78,292	20	17	9	1	4	..	4
Lowell,	71,518	32	12	10	5	7	1	2
Cambridge,	65,552	28	13	6	3	5	1	..
Fall River,	62,647	35	19	10	2	7	2	..
Lynn,	53,334	17	..	3	2	3	..	..
Springfield,	40,731	16	4	4	2	1	2	1
Lawrence,	40,619	16	9	8	..	2	1	5
New Bedford,	37,253	29	17	8	2	6	2	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	6	2	1	..	1	..	..
Brockton,	28,813	7	4	5	..	2	..	1
Chelsea,	28,167	11	1	2	..	1	1	..
Haverhill,	26,058	4	2	2	..	2	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	5	1	1	..	1	..	..
Newton,	21,553	6	2	..	2	..	..	..
Malden,	19,774	6	3	1	1	1	..	..
Fitchburg,	17,534	7	4	3	..	1	1	1
Waltham,	17,332	3	1	..	1	..	..	..
Pittsfield,	15,502	4	3	3	1	2	..	1
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	4	2	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	9	8	1	..	1	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,119,123	469	222	134	42	86	17	26

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and thirty-four deaths were reported from the principal infectious diseases: diarrhœal diseases, 86; diphtheria and croup, 26; typhoid fever, 17; cerebro-spinal meningitis, 3; measles, 1; whooping-cough, 1.

No deaths were reported from small-pox and malarial fever.

There were 42 deaths from consumption; acute lung diseases, 21; still-births, 16.

From cerebro-spinal meningitis: Boston, Worcester and Brockton, 1 each. From measles: Brockton, 1. From whooping-cough: Fall River, 1.

Deaths from the principal infectious diseases numbered 134 against 169 for the preceding week.

Deaths under five years of age numbered 222 against 244 for the preceding week.

Cases reported in Boston: typhoid fever, 45; diphtheria, 21; scarlet-fever, 7; and measles, 1.

The total death-rates for the week were: Boston, 25.64; Worcester, 13.20; Lowell, 32.26; Cambridge, 22.12; Fall River, 29.05; Lynn, 16.58; Springfield, 20.42; Lawrence, 20.46; New Bedford, 40.31; Holyoke, ——; Somerville, ——; Salem, 10.74; Brockton, 12.60; Chelsea, 19.91; Haverhill, 7.96; Taunton, ——; Gloucester, 10.70; Newton, 14.76; Malden, 15.72; Fitchburg, 20.72; Waltham, 3.00; Newburyport, 14.96; Northampton, ——; Quincy, 34.02.

The total death-rate for the week was 21.79 against 24.91 and 23.49 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Sept. 14, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 8,	30.21	64.0	67.0	61.0	89	95	92.0	N. E.	E.		6	2		O.	C.			.00
Monday, 9,	30.22	62.0	66.0	58.0	94	95	94.0	N. E.	N. E.		12	17		R.	O.		2.00	T.
Tuesday, 10,	30.18	63.0	66.0	60.0	84	89	86.0	N. E.	N. E.		24	20		O.	O.		0.35	T.
Wednes'y, 11,	30.12	61.0	64.0	58.0	94	89	92.0	N. E.	N. E.		24	24		R.	O.		13.20	.30
Thursday, 12,	30.17	64.0	66.0	61.0	100	89	94.0	N. E.	N. E.		24	24		R.	O.		9.50	.40
Friday, 13,	30.29	62.0	65.0	60.0	87	89	88.0	N. E.	N. E.		24	14		O.	O.			.00
Saturday, 14,	30.29	65.0	70.0	60.0	90	95	92.0	N. E.	N. E.		6	11		O.	O.		11.10	.44
Week, - -																		

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of August: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	88	145	233	Molasses, . .	15	3	18
Butter, . . .	..	..	..	Honey, . . .	1	..	1
Cheese, . . .	..	..	..	Vinegar, . .	6	7	13
Lard, . . .	..	..	..	Canned Goods, .	..	..	..
Olive Oil, . . .	..	2	2	Tea, . . .	6	0	6
Spices, . . .	47	5	52	Coffee, . . .	..	..	..
Cream of Tartar, .	14	2	16	Confectionery, .	2	..	2
Syrups, . . .	..	..	..	Other articles of Food, and Drinks, .	1	..	1
Maple Syrup, . .	..	..	..	Drugs, . . .	7	3	10
Maple Sugar, . .	..	..	..	Totals, . .	187	167	354

Percentage of adulteration, 47.2. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration. The unusual number of samples of milk which were below the standard was undoubtedly due, in a great measure, to the fact that milk, as produced during this month, showed a lower percentage of solids than usual, as determined by examinations made for the purpose of settling this point. Of all the samples obtained of milk dealers during the month, more than 37 per cent. contained between 12 and 13 per cent. of solids.

Nine complaints were entered in the courts during the month for violation of the laws relative to Food and Drug Inspection; seven were for violations of the milk laws, and two for sales of adulterated butter.

In five of the former and in the two latter the defendants were found guilty, and in two of the former the defendants were discharged.

The samples of drugs examined were Bisulphate of Quinine, Citrate of Iron and Quinine, Citrate of Magnesia, Subnitrate of Bismuth, Cinnamon, Tannic Acid, Compound Spirits of Ether, Spirits of Nitrous Ether and Extract of Vanilla. The samples which did not conform to the standard were Citrate of Iron and Quinine. Spirits of Nitrous Ether and Compound Spirits of Ether.

A fatal result (suicidal) having been reported from the use of an article called "Rat Dynamite," it was deemed desirable to ascertain its composition. It was found, on analysis, to be composed of "White Arsenic" colored with coal dust.

The cities and towns from which samples of food and drugs were collected during the month were as follows: — Boston, Cambridge, Chelsea, Newton, Worcester, Springfield, Holyoke, Woburn, Revere, Brookline, Turner's Falls, Winthrop, Athol, Dedham, Westborough, Weston, Holliston, Hubbardston, Medway, Provincetown, Plymouth and Nantucket.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 21, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING SEPTEMBER 21, 1889.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	184	77	41	30	18	8	13
Worcester,	78,292	23	10	9	3	7	1	..
Lowell,	71,518	43	23	14	5	5	3	5
Cambridge,	65,552	25	10	8	3	5	1	1
Fall River,	62,647	29	20	13	1	10	2	..
Lynn,	53,334	23	..	..	5	..	..	..
Springfield,	40,731	17	8	4	5	4	..	..
Lawrence,	40,619	22	12	11	1	5	2	4
New Bedford,	37,253	17	10	8	1	8	..	..
Holyoke,	35,372	..	..	..	..	..	..	..
Somerville,	34,418	8	1	1	1	..	1	..
Salem,	29,011	14	4	2	..	2	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	13	6	3	2	1	..	2
Haverhill,	26,058	7	2	3	1	3	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	2	1	..	..	..	..	..
Newton,	21,553	..	..	..	..	..	..	..
Malden,	19,774	4	1	..	..	..	..	..
Fitchburg,	17,534	10	5	3	1	3	..	..
Waltham,	17,332	5	0	..	3	..	..	..
Pittsfield,	15,502	..	..	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	3	2	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	3	1	1	..	1	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	2	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,097,901	454	193	121	62	72	18	25

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and twenty-one deaths were reported from the principal infectious diseases: diarrhœal diseases, 72; diphtheria and croup, 25; typhoid fever, 18; whooping-cough, 4; scarlet-fever and cerebro-spinal meningitis, each 1.

No deaths were reported from small-pox, measles and malarial fever.

There were 62 deaths from consumption; acute lung diseases, 15; still-births, 20.

From whooping-cough: Boston, Worcester, Lowell and Fall River, 1 each. From scarlet-fever: Cambridge, 1. From cerebro-spinal meningitis: Boston, 1.

Deaths from the principal infectious diseases numbered 121 against 134 for the preceding week.

Deaths under five years of age numbered 193 against 222 for the preceding week.

Cases reported in Boston: typhoid fever, 40; diphtheria, 29; and scarlet-fever, 3.

The total death-rates for the week were: Boston, 23.13; Worcester, 15.18; Lowell, 31.26; Cambridge, 19.75; Fall River, 24.07; Lynn, 22.43; Springfield, 21.69; Lawrence, 28.14; New Bedford, 23.63; Holyoke, ——; Somerville, 12.08; Salem, 25.06; Brockton, ——; Chelsea, 23.53; Haverhill, 13.93; Taunton, ——; Gloucester, 4.28; Newton, ——; Malden, 15.72; Fitchburg, 29.60; Waltham, 15.00; Newburyport, 11.22; Northampton, ——; Quincy, 11.34.

The total death-rate for the week was 21.50 against 21.79 and 24.91 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Sept. 21, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 15,	30.18	67.0	71.0	63.0	90	90	90.0	N. E.	S.		1	12		G.	O.		6.20	.05
Monday, 16,	30.06	73.0	78.0	68.0	86	91	88.0	S.	S. W.		14	12		O.	C.		4.00	.05
Tuesday, 17,	29.98	73.0	77.0	69.0	93	86	90.0	S.	S. W.		12	12		O.	O.		0.10	T.
Wednes'y, 18,	29.86	66.0	70.0	61.0	100	89	94.0	W.	N. W.		3	2		R.	O.		13.00	.77
Thursday, 19,	29.56	56.0	60.0	51.0	100	70	85.0	W.	S. W.		21	12		R.	C.		14.15	.74
Friday, 20,	29.58	58.0	68.0	49.0	75	68	72.0	S. W.	S. W.		10	9		C.	O.		0.15	T.
Saturday, 21,	29.47	59.0	64.0	54.0	78	65	72.0	S. W.	N. W.		6	16		F.	F.		7.15	.26
Week, - -																		

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Sept. 28, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING SEPTEMBER 28, 1889.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	175	62	43	17	19	7	13
Worcester,	78,292	29	16	13	4	8	2	1
Lowell,	71,518	46	24	13	4	7	1	4
Cambridge,	65,552	14	9	5	2	3	..	2
Fall River,	62,647	28	13	6	5	2	3	..
Lynn,	53,334	15	..	1	2	1	..	..
Springfield,	40,731	6	2	..	..	..	..	..
Lawrence,	40,619	20	7	6	4	1	1	4
New Bedford,	37,253	15	9	8	..	5	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	10	5	2	..	1	..	..
Salem,	29,011	14	9	3	1	1	..	1
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	10	1	1	1	..	1	..
Haverhill,	26,058	8	1	..	3	..	..	..
Taunton,	25,170	5	1	1	2	1	..	..
Gloucester,	24,263	3	2	1	..	..	1	..
Newton,	21,553	8	2	3	..	1	2	..
Malden,	19,774	..	..	..	..	..	..	..
Fitchburg,	17,534	3	2	..	..	..	..	..
Waltham,	17,332	5	1	2	1	..	..	1
Pittsfield,	15,502	7	2	6	..	5	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	..	..	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	..	..	..	..	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	5	2	..	1	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	4	1	1	1	..	1	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,124,790	430	171	115	48	55	19	26

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and fifteen deaths were reported from the principal infectious diseases: diarrhœal diseases, 55; diphtheria and croup, 26; typhoid fever, 19; cerebro-spinal meningitis, 7; whooping-cough, 6; scarlet-fever, 2; measles, 1.

No deaths were reported from small-pox and malarial fevers.

There were 48 deaths from consumption; acute lung diseases, 34; still-births, 32.

From cerebro-spinal meningitis: Worcester and New Bedford, 2 each; Somerville, Waltham and Quincy, 1 each. From whooping-cough: Boston, 4; Fall River and New Bedford, 1 each. From scarlet-fever: Lowell and Pittsfield, 1 each. From measles: Salem, 1.

Deaths from the principal infectious diseases numbered 115 against 121 for the preceding week.

Deaths under five years of age numbered 171 against 193 for the preceding week.

Cases reported in Boston: typhoid fever, 72; diphtheria, 26; scarlet-fever, 2.

The death-rates for the week were: Boston, 22.99; Worcester, 19.14; Lowell, 33.44; Cambridge, 11.06; Fall River, 23.24; Lynn, 14.63; Springfield, 7.66; Lawrence, 25.58; New Bedford, 19.85; Holyoke, ——; Somerville, 15.10; Salem, 25.06; Brockton, ——; Chelsea, 18.10; Haverhill, 15.92; Taunton, 10.30; Gloucester, 6.42; Newton, 20.08; Malden, ——; Fitchburg, 8.88; Waltham, 15.00; Newburyport, ——; Northampton, ——; Quincy, 18.90.

The total death-rate for the week was 19.88 against 21.50 and 21.79 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Sept. 28, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 22,	29.85	52.0	57.0	46.0	68	64	66.0	W.	W.		14	4		C.	C.			.0
Monday, 23,	30.04	54.0	64.0	43.0	60	54	57.0	W.	W.		13	6		C.	C.			.0
Tuesday, 24,	30.12	57.0	67.0	47.0	65	78	72.0	O.	S. W.		0	8		C.	C.			.0
Wednes'y, 25,	30.13	58.0	62.0	54.0	89	89	89.0	O.	E.		0	10		F.	F.		0.20	T.
Thursday, 26,	29.89	64.0	72.0	57.0	94	95	94.0	E.	W.		8	4		O.	O.		8.00	.17
Friday, 27,	29.97	56.0	61.0	50.0	58	59	58.0	W.	W.		8	9		C.	C.			.0
Saturday, 28,	30.11	52.0	59.0	44.0	86	69	78.0	W.	W.		14	8		C.	C.		0.05	T.
Week, - -																		

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 5, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING OCTOBER 5, 1889.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From — Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	189	65	33	30	9	9	12
Worcester,	78,292	29	8	14	3	5	5	2
Lowell,	71,518	42	25	20	3	14	1	4
Cambridge,	65,552	31	19	8	3	5	1	1
Fall River,	62,647	47	19	13	4	8	4	..
Lynn,	53,334	19	..	2	5	1	..	..
Springfield,	40,731	10	1	..	4	..	..	..
Lawrence,	40,619	34	14	12	2	3	..	9
New Bedford,	37,253	7	5	..	1	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	13	4	4	..	..	1	1
Salem,	29,011	9	3	2	..	1	..	1
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	..	..	..	..	..	..	..
Haverhill,	26,058	8	3	2	1	1	..	1
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	11	5	..	..	..	..	..
Newton,	21,553	..	..	..	..	..	..	..
Malden,	19,774	4	2	..	1	..	..	..
Fitchburg,	17,534	5	4	2	1	2	..	..
Waltham,	17,332	5	1	1	..	..	1	..
Pittsfield,	15,502	4	2	2	..	..	2	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	9	4	1	..	1	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	3	2	1	..	..	1	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	4	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,085,236	483	187	117	58	50	25	31

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

One hundred and seventeen deaths were reported from the principal infectious diseases: diarrhœal diseases, 50; diphtheria and croup, 31; typhoid fever, 25; cerebro-spinal meningitis, 6; whooping-cough, 4; scarlet-fever, 1.

No deaths were reported from small-pox, malarial fever; and puerperal fever.

There were 58 deaths from consumption; acute lung diseases, 17; and still-births, 29.

From cerebro-spinal meningitis: Boston, Worcester and Somerville, 2 each. From whooping-cough: Boston, Lowell, Fall River and Lynn, 1 each. From scarlet-fever: Cambridge, 1.

Deaths from the principal infectious diseases numbered 117 against 115 for the preceding week.

Deaths under five years of age numbered 187 against 171 for the preceding week.

Cases reported in Boston: typhoid fever, 59; diphtheria, 33; and scarlet-fever, 4.

The death-rates for the week were: Boston, 23.76; Worcester, 19.14; Lowell, 30.53; Cambridge, 24.49; Fall River, 39.01; Lynn, 18.53; Springfield, 12.76; Lawrence, 43.48; New Bedford, 9.73; Holyoke, ——; Somerville, 19.63; Salem, 16.11; Brockton, ——; Chelsea, ——; Haverhill, 15.92; Taunton, ——; Gloucester, 23.54; Newton, ——; Malden, 10.48; Fitchburg, 14.80; Waltham, 15.00; Newburyport, 33.66; Northampton, ——; Quincy, 11.34.

The total death-rate for the week was 23.14 against 19.88 and 21.50 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 5, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Sept. 29,	30.22	52.0	61.0	43.0	66	51	58.0	N. W.	W.	9	2	C.	C.		.0
Monday, 30,	30.09	62.0	72.0	51.0	89	82	86.0	S. W.	S.	14	15	O.	O.		.0
Tuesday, Oct. 1,	29.64	64.0	70.0	59.0	87	87	87.0	S.	S. W.	21	12	O.	C.	4.45	.31
Wednes'y, 2,	29.80	58.0	66.0	51.0	72	65	68.0	W.	N. W.	16	15	C.	C.		.0
Thursday, 3,	30.08	50.0	61.0	40.0	64	72	68.0	N. W.	S.	13	8	C.	O.		.0
Friday, 4,	30.08	60.0	68.0	51.0	82	62	72.0	S. W.	N. W.	8	13	C.	O.	1.00	.02
Saturday, 5,	30.14	46.0	51.0	40.0	71	80	76.0	N.	S. E.	10	8	O.	O.		.0
Week, - -	30.01		64.0	48.0			73.0							5.45	.33

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 20 smaller towns of Massachusetts as reported to the State Board of Health for the month of September.

The total death-rate of reporting towns for the month was 12.88.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Cerebro-spinal Meningitis.
Hyde Park,	9,468	..	..	..	..	..	..	..
Plymouth,	7,633	..	..	..	..	..	..	..
Wakefield,	6,382	1	0	..	..	..	..	..
Andover,	5,985	..	..	..	..	..	..	..
Stoneham,	5,957	2	0	..	..	..	..	..
Middleborough,	5,737	5	1	..	..	..	..	..
Winchester,	5,098	4	2	1	..	..	1	..
Arlington,	5,039	..	..	..	..	..	..	..
West Springfield,	4,784	10	5	1	..	1	..	..
Revere,	4,675	..	..	..	..	..	..	..
Provincetown,	4,580	..	..	..	..	..	..	..
Hingham,	4,375	5	2	1	1	..	..	..
Amherst,	4,310	..	..	..	..	..	..	..
Concord,	4,310	2	1	1	..	1	..	..
Whitman,	4,264	..	..	..	..	..	..	..
Braintree,	4,188	..	..	..	..	..	..	..
Hudson,	4,185	7	3	1	2	..	..	..
Randolph,	3,807	6	1	1	1	..	..	1
Northbridge,	3,786	..	..	..	..	..	..	..
No. Andover,	3,585	..	..	..	..	..	..	..
Mansfield,	3,064	..	..	..	..	..	..	..
Leicester,	2,987	1	0	..	..	..	..	..
Fairhaven,	2,915	..	..	..	..	..	..	..
Nantucket,	2,912	..	..	..	..	..	..	..
Wrentham,	2,852	2	1	..	..	..	..	..
Swampscott,	2,630	5	1	..	1	..	..	..
Merrimac,	2,461	3	2	1	..	1	..	..
Chelmsford,	2,304	..	..	..	..	..	..	..
Dalton,	2,240	2	0	..	..	..	..	..
Cohasset,	2,230	..	..	..	..	..	..	..
Northborough,	2,095	3	2	1	..	..	..	1
Ashburnham,	2,058	..	..	..	..	..	..	..
Groton,	2,037	..	..	..	..	..	..	..
Longmeadow,	1,787	6	2	2	..	..	2	..
Conway,	1,573	..	..	..	..	..	..	..
Shrewsbury,	1,400	1	0	1	..	..	..	..
Huntington,	1,309	..	..	..	..	..	..	..
Topsfield,	1,141	..	..	..	..	..	..	..
Truro,	972	1	0	..	..	..	..	..
Heath,	575	3	1	..	..	..	..	..
Wendell,	545	1	0	1	..	1	..	..
Total of reporting towns,	65,179	70	24	12	5	4	3	2

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 12, 1889.

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of September.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING OCTOBER 12, 1889.

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	205	71	32	26	12	5	11
Worcester,	78,292	25	12	5	2	1	1	2
Lowell,	71,518	35	16	9	6	6	..	3
Cambridge,	65,552	29	5	5	5	1	2	2
Fall River,	62,647	..	..	..	..	..	..	..
Lynn,	53,334	11	..	1	1	1	..	..
Springfield,	40,731	11	4	2	..	..	1	1
Lawrence,	40,619	21	12	3	..	1	..	2
New Bedford,	37,253	17	5	3	2	1	2	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	11	4	2	..	1	..	..
Salem,	29,011	13	7	3	2	1	..	2
Brockton,	28,813	7	3	1	..	..	..	..
Chelsea,	28,167	7	2	..	2	..	..	..
Haverhill,	26,058	8	2	..	..	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	9	6	1	..	..	..	..
Newton,	21,553	8	3	2	1	1	..	1
Malden,	19,774	8	4	..	..	..	..	..
Fitchburg,	17,534	5	0	..	..	..	..	..
Waltham,	17,332	8	2	1	..	..	..	..
Pittsfield,	15,502	5	3	1	..	1	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	6	1	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	7	2	1	..	..	1	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	2	1	1	..	..	..	1

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,101,122	458	165	73	47	27	12	25

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Seventy-three deaths were reported from the principal infectious diseases: diarrhœal diseases, 27; diphtheria and croup, 25; typhoid fever, 12; whooping-cough, 3; scarlet-fever, 1.

No deaths were reported from small-pox and malarial fevers.

There were 47 deaths from consumption; acute lung diseases, 51; and still-births, 33.

From cerebro-spinal meningitis: Worcester, Somerville, Brockton, Gloucester and Waltham, 1 each. From scarlet-fever: Boston, 1. From whooping-cough: Boston, 3.

Deaths from the principal infectious diseases numbered 73 against 117 for the preceding week.

Deaths under five years of age numbered 165 against 187 for the preceding week.

Cases reported in Boston: typhoid fever, 46; diphtheria, 30; and scarlet-fever, 6.

The death-rates for the week were: Boston, 25.77; Worcester, 16.50; Lowell, 25.45; Cambridge, 22.91; Fall River, ——; Lynn, 10.73; Springfield, 14.04; Lawrence, 15.35; New Bedford, 23.63; Holyoke, ——; Somerville, 16.61; Salem, 23.27; Brockton, 12.60; Chelsea, 12.67; Haverhill, 15.92; Taunton, ——; Gloucester, 19.26; Newton, 19.74; Malden, 16.96; Fitchburg, 14.80; Waltham, 24.00; Newburyport, 22.44; Northampton, ——; Quincy, 26.46.

The total death-rate for the week was 21.62 against 23.14 and 19.88 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 12, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 6,	29.98	56.0	61.0	50.0	88	91	90.0	S. E.	S.	24	6	O.	O.	0.40	T.
Monday, 7,	29.75	52.0	58.0	47.0	94	79	86.0	N. W.	W.	12	12	O.	C.	7.45	.63
Tuesday, 8,	29.97	46.0	52.0	39.0	70	64	67.0	W.	W.	10	12	C.	C.	.0	.0
Wednes'y, 9,	29.94	50.0	59.0	40.0	61	63	62.0	S. W.	S. W.	16	6	C.	O.	.0	.0
Thursday, 10,	29.86	50.0	53.0	47.0	66	59	62.0	S. W.	N. W.	13	9	O.	C	0.20	T.
Friday, 11,	29.99	48.0	58.0	38.0	67	60	64.0	S. W.	S.	14	5	C.	C.	.0	.0
Saturday, 12,	30.05	48.0	53.0	42.0	79	84	82.0	0.	N. E.	0	9	C.	R.	1.00	T.
Week, - -															

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of September: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	147	162	309	Molasses, . .	26	12	38
Butter, . . .	2	..	2	Honey, . . .	4	..	4
Cheese, . . .	2	..	2	Vinegar, . .	2	6	8
Lard, . . .	2	..	2	Canned Goods, .	..	..	..
Olive Oil, . . .	3	3	6	Tea, . . .	6	..	6
Spices, . . .	54	12	66	Coffee, . . .	3	..	3
Cream of Tartar, .	25	2	27	Confectionery, .	3	..	3
Syrups, . . .	..	..	..	Other articles of Food, and Drinks, .	4	1	5
Maple Syrup, . .	..	..	..	Drugs, . . .	31	6	37
Maple Sugar, . .	..	..	..	Totals. . .	314	204	518

Percentage of adulteration, 39.4. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated, and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration.

Ten complaints were entered in the courts during the month for violation of the laws relative to the inspection of Food and Drugs; all of these complaints had reference to illegal sales of milk. In all of them the defendants were found guilty. Three cases were appealed.

The samples of drugs examined were Tinctures of Opium and Nux Vomica, Solution of Quinine and Iron, Sulphate of Quinine, Ether, Compound Spirits of Ether, Spirits of Nitrous Ether, Extract of Licorice, Lycopodium, Syrup, Tannic Acid, Essential Oils and Spices.

The adulterated samples were Tinctures of Opium and Nux Vomica, Solution of Quinine and Iron, and Compound Spirits of Ether; one sample of each, and of Spirits of Nitrous Ether two samples.

Molasses adulterated with Salts of Tin has again made its appearance in the markets, coming from foreign ports. This substance, the Chloride of Tin, is an irritant, corrosive poison, quite similar in its action and power to Corrosive Sublimate, and has no legitimate place in connection with the food supply.

The cities and towns from which samples of food and drugs were collected during the month were as follows: — Boston, Cambridge, Springfield, Revere, Brockton, Haverhill, Gloucester, Lowell, Lynn, Newburyport, Somerville, Waltham, Taunton, Quincy, Lincoln, Marlborough, Natick, Weston, Ware, Westborough, Lenox and Grafton.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 19, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING OCTOBER 19, 1889.

Deaths reported to the State Board of Health in 19 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	175	45	22	25	3	6	11
Worcester,	78,292	22	7	3	5	..	2	..
Lowell,	71,518	22	8	6	4	1	..	5
Cambridge,	65,552	25	6	3	7	2	1	..
Fall River,	62,647	25	7	8	2	2	..	5
Lynn,	53,334	19	..	..	6	..	..	..
Springfield,	40,731	13	4	2	5	..	..	1
Lawrence,	40,619	20	11	6	1	1	..	5
New Bedford,	37,253	16	5	3	2	3	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	13	0	3	..	1	..	2
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	4	0	..	2	..	..	..
Haverhill,	26,058	..	..	..	..	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	1	0	1	..	1	..	..
Newton,	21,553	..	..	..	..	..	..	..
Malden,	19,774	6	1	..	2	..	..	..
Fitchburg,	17,534	8	4	1	2	1	..	..
Waltham,	17,332	9	4	1	3	1	..	..
Pittsfield,	15,502	1	0	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	8	1	1	..	..	..	1
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	8	3	1	..	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	2	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,052,927	397	106	61	66	16	9	30

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 19 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-one deaths were reported from the principal infectious diseases: diphtheria and croup, 30; diarrhœal diseases, 16; typhoid fever, 9; cerebro-spinal meningitis, 3; whooping-cough, 3.

No deaths were reported from small-pox and malarial fevers.

There were 66 deaths from consumption; acute lung diseases, 30; and still-births, 18.

From cerebro-spinal meningitis: Worcester, Fall River and Quincy, 1 each. From whooping-cough: Boston, 2; Springfield, 1.

Deaths from the principal infectious diseases numbered 61 against 73 for the preceding week.

Deaths under five years of age numbered 106 against 165 for the preceding week.

Cases reported in Boston: typhoid fever, 41; diphtheria, 24; scarlet-fever, 9; and small-pox, 6.

The death-rates for the week were: Boston, 21.99; Worcester, 14.52; Lowell, 15.99; Cambridge, 19.75; Fall River, 20.75; Lynn, 18.53; Springfield, 16.59; Lawrence, 25.58; New Bedford, 22.24; Holyoke,——; Somerville, ——; Salem, 23.27; Brockton, ——; Chelsea, 7.24; Haverhill, 21.89; Taunton, ——; Gloucester, 2.14; Newton, ——; Malden, 15.72; Fitchburg, 23.68; Waltham, 27.00; Newburyport, 29.92; Northampton, ——; Quincy, 30.24.

The total death-rate for the week was 19.60 against 21.62 and 23.14 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 19, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 13,	30.10	44.0	47.0	40.0	92	62	77.0	N.	N. E.	14	17	R.	O.	14.30	1.12
Monday, 14,	29.99	43.0	46.0	40.0	92	85	98.0	N.	N. E.	24	24	R.	R.	12.40	.14
Tuesday, 15,	30.01	48.0	53.0	44.0	65	70	68.0	N.	N.	19	15	C.	C.	4.20	.10
Wednes'y, 16,	30.20	44.0	49.0	38.0	62	67	64.0	N.	N. E.	10	3	C.	C.		.0
Thursday, 17,	30.07	43.0	51.0	35.0	76	79	78.0	N. W.	S.	2	12	C.	O.		.0
Friday, 18,	30.04	53.0	60.0	46.0	55	49	52.0	W.	N. W.	14	4	C.	C.		.0
Saturday, 19,	30.15	52.0	64.0	39.0	64	75	70.0	W.	S.	7	12	C.	C.		.0
Week, - -	30.08		53.0	40.0			73.0							31.30	1.96

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Oct. 26, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING OCTOBER 26, 1889.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	180	55	38	20	15	6	15
Worcester,	78,292	19	2	2	3	..	1	..
Lowell,	71,518	40	14	7	10	3	..	4
Cambridge,	65,552	20	8	4	1	..	1	2
Fall River,	62,647	15	12	5	..	1	1	1
Lynn,	53,334	19	..	3	2	1	1	1
Springfield,	40,731	10	7	4	1	..	..	4
Lawrence,	40,619	32	7	11	6	..	1	10
New Bedford,	37,253	13	5	3	2	1	1	1
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	15	6	5	..	..	..	4
Salem,	29,011	9	4	2	..	..	..	1
Brockton,	28,813	13	2	5	..	..	2	3
Chelsea,	28,167	12	3	1	2	..	1	..
Haverhill,	26,058	10	1	..	..	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	4	1	..	1	..	..	..
Newton,	21,553	5	3	1	1	1	..	..
Malden,	19,774	9	5	3	1	1	..	1
Fitchburg,	17,534	9	4	3	1	..	1	1
Waltham,	17,332	10	3	1	4	..	..	1
Pittsfield,	15,502	4	2	1	2	..	..	1
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	3	1	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	4	3	..	1	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	4	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,163,769	459	149	99	58	23	16	50

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Ninety-nine deaths were reported from the principal infectious diseases: diphtheria and croup, 50; diarrhœal diseases, 23; typhoid fever, 16; whooping-cough, 4; scarlet-fever, 3; cerebro-spinal meningitis, 2; measles, 1.

No deaths were reported from small-pox and malarial fever.

There were 58 deaths from consumption; acute lung diseases, 51; and still-births, 23.

From whooping-cough: Boston, 2; Cambridge and Fall River, 1 each. From scarlet-fever: Fall River, Malden and Fitchburg, 1 each. From cerebro-spinal meningitis: Worcester and Somerville, 1 each.

Deaths from the principal infectious diseases numbered 99 against 61 for the preceding week.

Deaths under five years of age numbered 149 against 106 for the preceding week.

Cases reported in Boston: typhoid fever, 42; diphtheria, 31; scarlet-fever, 6; measles and small-pox, 1 each.

The death-rates for the week were: Boston, 22.95; Worcester, 12.54; Lowell, 29.08; Cambridge, 15.80; Fall River, 12.75; Lynn, 18.53; Springfield, 12.76; Lawrence, 40.93; New Bedford, 18.09; Holyoke,——; Somerville, 22.65; Salem, 16.11; Brockton, 23.40; Chelsea, 21.72; Haverhill, 19.90; Taunton, ——; Gloucester, 8.56; Newton, 12.30; Malden, 22.58; Fitchburg, 26.64; Waltham, 30.00; Newburyport, 11.22; Northampton, ——; Quincy, 15.12.

The total death-rate for the week was 20.51 against 19.60 and 21.62 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Oct. 26, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, 20,	29.99	64.0	74.0	53.0	78	81	80.0	S. W.	N. W.	12	9	C.	O.		.0
Monday, 21,	30.20	42.0	45.0	38.0	64	76	70.0	N. E.	N.	14	12	T.	O.	0.40	.05
Tuesday, 22,	30.33	40.0	47.0	33.0	52	59	56.0	N. W.	S. E.	10	6	C.	C.		.0
Wednes'y, 23,	30.44	38.0	42.0	34.0	69	57	63.0	N.	N. E.	17	14	O.	C.		.0
Thursday, 24,	30.38	38.0	43.0	32.0	70	66	68.0	N.	N. E.	15	16	O.	F.		.0
Friday, 25,	30.05	44.0	48.0	40.0	76	85	80.0	N.	N. E.	12	6	O.	O.		.0
Saturday, 26,	30.07	49.0	57.0	41.0	89	76	82.0	N. W.	S. W.	3	9	O.	O.		.0
Week, - -	30.21		51.0	39.0			71.0								

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 2, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING NOVEMBER 2, 1889.

Deaths reported to the State Board of Health in 18 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	172	58	27	35	7	3	16
Worcester,	78,292	15	8	4	2	1	1	..
Lowell,	71,518	27	6	5	5	1	3	1
Cambridge,	65,552	28	7	6	3	..	1	4
Fall River,	62,647	29	13	3	3	..	2	1
Lynn,	53,334	13	..	1	4	1	..	..
Springfield,	40,731	18	3	2	6	..	..	1
Lawrence,	40,619	28	7	10	5	..	3	7
New Bedford,	37,253	19	5	3	3	1	1	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	17	..	1	1	..	..	1
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	5	1	..	..	..	..	..
Haverhill,	26,058	7	2	2	1	..	1	1
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	8	3	2	1	1	1	..
Newton,	21,553	..	..	..	..	..	..	..
Malden,	19,774	7	0	1	3	..	..	..
Fitchburg,	17,534	..	..	..	..	..	..	..
Waltham,	17,332	4	1	..	..	..	..	..
Pittsfield,	15,502	4	1	1	..	1	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	4	1	1	..	..	..	1
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	..	..	..	..	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	3	1	1	..	..	..	1

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,047,723	408	117	70	72	13	16	34

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 18 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Seventy deaths were reported from the principal infectious diseases: diphtheria and croup, 34; typhoid fever, 16; diarrhœal diseases, 13; cerebro-spinal meningitis, 4; scarlet-fever, 2; whooping-cough, 1.

No deaths were reported from small-pox and malarial fevers.

There were 72 deaths from consumption; acute lung diseases, 46; and still-births, 22.

From cerebro-spinal meningitis: Worcester, 2; Springfield and Malden, 1 each. From scarlet-fever: Boston and Cambridge, 1 each. From whooping-cough: New Bedford, 1.

Deaths from the principal infectious diseases numbered 70 against 99 for the preceding week.

Deaths under five years of age numbered 117 against 149 for the preceding week.

Cases reported in Boston: measles, 40; diphtheria, 40; and scarlet-fever, 11.

The death-rates for the week were: Boston, 21.62; Worcester, 9.90; Lowell, 19.63; Cambridge, 22.12; Fall River, 24.07; Lynn, 12.66; Springfield, 22.99; Lawrence, 35.81; New Bedford, 26.41; Holyoke,——; Somerville, ——; Salem, 30.43; Brockton, ——; Chelsea, 9.05; Haverhill, 13.93; Taunton, ——; Gloucester, 19.12; Newton, ——; Malden, 18.34; Fitchburg, ——; Waltham, 12.00; Newburyport, 14.96; Northampton, ——; Quincy, 26.46.

The total death-rate for the week was 20.24 against 20.51 and 19.60 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 2, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Oct. 27,	29.95	52.0	54.0	49.0	77	100	88.0	S.E.	N.E.	6	18	O.	R.	6.40	.50
Monday, 28,	29.74	56.0	60.0	52.0	88	82	85.0	S.	S.	6	3	O.	O.	5.00	.40
Tuesday, 29,	29.99	44.0	47.0	40.0	93	88	90.0	N.	N.	12	12	R.	O.	5.10	.04
Wednes'y, 30,	30.16	42.0	46.0	39.0	76	71	74.0	N.	N.	10	5	O.	O.	.0	.0
Thursday, 31,	30.19	44.0	47.0	42.0	81	72	76.0	W.	S.E.	6	2	O.	O.	.0	.0
Friday, Nov 1,	30.22	48.0	52.0	44.0	100	87	94.0	N.E.	S.W.	4	6	F.	O.	2.30	.15
Saturday, 2,	30.19	54.0	60.0	47.0	90	79	84.0	0	S.	0	13	F.	O.	.25	T.
Week, - -	30.06		51.0	45.0			84.0							19.45	1.09

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

MONTHLY MORTALITY

In the 19 smaller towns of Massachusetts as reported to the State Board of Health for the month of October.

The total death-rate of reporting towns for the month was 13.77.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Consumption.	Typhoid Fever.	Diarrhœal Diseases.	Diphtheria and Croup.
Hyde Park,	9,468	..	..	..	..	..	..	..
Plymouth,	7,633	..	..	..	..	..	..	..
Wakefield,	6,382	1	0	..	..	..	..	..
Andover,	5,985	..	..	..	..	..	..	..
Stoneham,	5,957	5	0	..	..	..	..	..
Middleborough,	5,737	8	2	..	2	..	..	..
Winchester,	5,098	4	0	1	..	1	..	..
Arlington,	5,039	..	..	..	..	..	..	..
West Springfield,	4,784	2	0	..	..	..	..	..
Revere,	4,675	..	..	..	..	..	..	..
Provincetown,	4,580	..	..	..	..	..	..	..
Hingham,	4,375	5	0	..	..	..	..	..
Amherst,	4,310	..	..	..	..	..	..	..
Concord,	4,310	4	0	..	1	..	..	..
Whitman,	4,264	..	..	..	..	..	..	..
Braintree,	4,188	..	..	..	..	..	..	..
Hudson,	4,185	..	..	..	..	..	..	..
Randolph,	3,807	3	0	..	..	..	..	..
Northbridge,	3,786	..	..	..	..	..	..	..
No. Andover,	3,585	..	..	..	..	..	..	..
Mansfield,	3,064	..	..	..	..	..	..	..
Leicester,	2,987	..	..	..	..	..	..	..
Fairhaven,	2,915	..	..	..	..	..	..	..
Nantucket,	2,912	5	0	..	..	..	..	..
Wrentham,	2,852	2	0	..	..	..	..	..
Swampscott,	2,630	5	1	..	..	..	..	..
Merrimac,	2,461	3	0	..	1	..	..	..
Chelmsford,	2,304	..	..	..	..	..	..	..
Dalton,	2,240	4	0	..	..	..	..	..
Cohasset,	2,230	..	..	..	..	..	..	..
Northborough,	2,095	8	2	3	1	2	1	..
Ashburnham,	2,058	..	..	..	..	..	..	..
Groton,	2,037	..	..	..	..	..	..	..
Longmeadow,	1,787	3	0	1	1	..	..	1
Conway,	1,573	..	..	..	..	..	..	..
Shrewsbury,	1,400	3	0	..	..	..	..	..
Huntington,	1,309	..	..	..	..	..	..	..
Topsfield,	1,141	..	..	..	..	..	..	..
Truro,	972	2	0	..	1	..	..	..
Burlington,	604	1	0	..	..	..	..	..
Heath,	575	2	0	..	1	..	..	..
Total of reporting towns,	60,978	70	5	5	8	3	1	1

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 9, 1889,

AND

MONTHLY BULLETIN

OF

FOOD AND DRUG INSPECTION

For the Month of October.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING NOVEMBER 9, 1889

Deaths reported to the State Board of Health in 22 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	177	48	22	35	4	6	10
Worcester,	78,292	27	8	2	8	..	1	1
Lowell,	71,518	26	10	5	1	2	..	3
Cambridge,	65,552	21	6	5	5	..	..	4
Fall River,	62,647	19	7	6	2	1	3	1
Lynn,	53,334	11	..	..	2	..	..	..
Springfield,	40,731	5	2	1	..	..	..	1
Lawrence,	40,619	24	10	6	2	..	..	6
New Bedford,	37,253	11	5	1	1	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	11	4	3	..	..	..	2
Brockton,	28,813	9	2	..	3	..	..	..
Chelsea,	28,167	8	1	..	1	..	..	..
Haverhill,	26,058	11	3	1	..	..	..	..
Taunton,	25,170	5	2	..	..	..	..	..
Gloucester,	24,263	7	1	..	..	..	..	..
Newton,	21,553	9	2	3	..	..	..	3
Malden,	19,774	8	4	3	..	..	2	..
Fitchburg,	17,534	7	..	1	..	..	..	1
Waltham,	17,332	9	2	1	..	..	..	1
Pittsfield,	15,502	5	2	..	..	1	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	8	1	1	3	..	1	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	4	2	..	..	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	..	..	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,144,293	422	122	61	65	7	13	33

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 22 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-one deaths were reported from the principal infectious diseases: diphtheria and croup, 33; typhoid fever, 13; diarrhœal diseases, 7; whooping-cough, 6; cerebro-spinal meningitis, 2; scarlet-fever, 1.

No deaths were reported from small-pox and malarial fever.

There were 65 deaths from consumption; acute lung diseases, 54; and still-births, 24.

From whooping-cough: Boston, 2; Cambridge, New Bedford, Haverhill and Malden, 1 each. From cerebro-spinal meningitis: Fall River and Salem, 1 each. From scarlet-fever: Pittsfield, 1.

Deaths from the principal infectious diseases numbered 61 against 70 for the preceding week.

Deaths under five years of age numbered 122 against 177 for the preceding week.

Cases reported in Boston: diphtheria, 27; typhoid fever, 22; scarlet-fever, 6; and small-pox, 1.

The death-rates for the week were: Boston, 22.25; Worcester, 17.82; Lowell, 18.90; Cambridge, 16.59; Fall River, 15.77; Lynn, 10.73; Springfield, 6.38; Lawrence, 30.69; New Bedford, 15.29; Holyoke, ——; Somerville, ——; Salem, 19.69; Brockton, 16.20; Chelsea, 14.48; Haverhill, 21.89; Taunton, 10.30; Gloucester, 14.98; Newton, 22.14; Malden, 20.96; Fitchburg, 20.72; Waltham, 27.00; Newburyport, 29.92; Northampton, ——; Quincy, 15.12.

The total death-rate for the week was 19.17 against 20.24 and 20.51 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 9, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Nov 3,	29.875	59.0	66.0	52.0	85	85	85.0	S. W.	N. W.	24	9	F.	O.	9.00	.38
Monday, 4,	30.150	49.0	58.0	40.0	70	51	60.0	W.	W.	12	8	C.	C.		.0
Tuesday, 5,	30.170	43.5	46.0	41.0	61	53	57.0	W.	W.	19	8	O.	C.		.0
Wednes'y, 6,	30.125	40.0	46.0	34.0	63	58	60.0	W.	S. W.	15	10	O.	C.		.0
Thursday, 7,	30.060	47.0	57.0	37.0	60	41	50.0	S. W.	W.	10	8	C.	O.		.0
Friday, 8,	30.195	48.5	51.0	46.0	63	86	74.0	N. W.	S.	5	9	O.	O.		.0
Saturday, 9,	29.995	50.5	55.0	46.0	93	84	88.0	S.	N.	4	6	R.	O.	DN.DN.	.02
Week, - -	30.081	48.2	54.1	42.3	70.7	65.4	67.7			12.7	8.3				0.057

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of October: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk, . . .	167	134	301	Molasses, . .	66	13	79
Butter, . . .	8	4	12	Honey, . . .	2	2	4
Cheese, . . .	2	..	2	Vinegar, . .	15	9	24
Lard, . . .	..	1	1	Canned Goods, .	..	..	..
Olive Oil. . . .	..	1	1	Tea, . . .	6	..	6
Spices, . . .	26	4	30	Coffee, . . .	2	1	3
Cream of Tartar, .	10	2	12	Confectionery, .	5	..	5
Syrups, . . .	1	1	2	Other articles of Food and Drinks, .	4	1	5
Maple Syrup, . .	1	1	2	Drugs, . . .	19	4	23
Maple Sugar, . .	..	..	..	Totals, . .	334	178	512

Percentage of adulteration, 34.8. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration. The percentage of adulteration of articles of food not including milk was only 20.9. The percentage of samples of milk below the standard of 13 per cent. of solids was 44.5, but 37.2 per cent. of the entire number were found to have between 12 and 13 per cent. of solids, so that the actual number below 12 per cent. was very small.

Three complaints were entered in the courts during the month for violation of the statutes relative to Food Inspection. One was for illegal sale of milk, one of butter, and one of maple syrup, — the latter being a second offence. It was held that the use of the words "Improved Maple Syrup" upon an adulterated article was not in compliance with the statutes.

In each of these cases the defendant was convicted.

The samples of drugs examined were Tinctures of Opium and Nux Vomica, Citrate of Quinine and Iron, Ether, Extract of Licorice, Syrup, Essential Oils, Spices, Iodoform, Chloroform, Bismuth Subcarb., Sulphate and Citrate of Magnesia.

The adulterated samples were Tinctures of Opium and Nux Vomica and Essential Oils.

The adulterated samples of molasses were mainly mixtures with glucose.

The cities and towns from which samples of food and drugs were collected during the month were as follows: — Boston, Cambridge, Springfield, Lowell, Lynn, Somerville, Quincy, Salem, Chelsea, Lawrence, New Bedford, Newton, Malden, Marlborough, Westborough, North Adams, Hyde Park, Revere, Beverly, Dracut, Hingham and Grafton.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 16, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING NOVEMBER 16, 1889.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	148	41	17	21	6	2	9
Worcester,	78,292	24	15	5	..	..	..	4
Lowell,	71,518	28	11	4	2	1	2	1
Cambridge,	65,552	25	8	1	1	..	..	1
Fall River,	62,647	22	7	1	5	..	..	1
Lynn,	53,334	14	3	..	2	..	..	1
Springfield,	40,731	21	2	2	2	..	..	..
Lawrence,	40,619	16	4	2	3	..	..	2
New Bedford,	37,253	12	5	1	2	1	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	17	6	1	..	..	..	..
Salem,	29,011	..	..	..	..	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	14	2	1	4	..	1	..
Haverhill,	26,058	5	1	..	1	..	..	..
Taunton,	25,170	6	1	1	2	..	..	1
Gloucester,	24,263	5	1	..	1	..	..	..
Newton,	21,553	6	0	2	1	..	1	1
Malden,	19,774	2	2	..	..	..	..	..
Fitchburg,	17,534	6	1	..	1	..	..	..
Waltham,	17,332	5	0	1	1	..	..	1
Pittsfield,	15,502	1	0	..	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	4	2	..	1	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	7	3	2	2	..	1	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	3	2	2	1	..	..	2
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	0	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,143,156	391	117	43	53	8	7	24

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Forty-three deaths were reported from the principal infectious diseases: diphtheria and croup, 24; diarrhœal diseases, 8; typhoid fever, 7; cerebro-spinal meningitis, 3; scarlet-fever and malarial fever, each 1.

No deaths were reported from small-pox.

There were 53 deaths from consumption; acute lung diseases, 51; and still-births, 20.

From cerebro-spinal meningitis: Worcester, Springfield and Quincy, 1 each. From scarlet-fever: Somerville, 1. From malarial fever: Springfield, 1.

Deaths from the principal infectious diseases numbered 43 against 61 for the preceding week.

Deaths under five years of age numbered 117 against 122 for the preceding week.

Cases reported in Boston: diphtheria, 25; typhoid fever, 22; scarlet-fever, 6; and measles, 2.

The death-rates for the week were: Boston, 19.60; Worcester, 15.84; Lowell, 20.36; Cambridge, 19.75; Fall River, 17.26; Lynn, 13.65; Springfield, 26.80; Lawrence, 20.46; New Bedford, 16.68; Holyoke, ——; Somerville, 25.67; Salem, ——; Brockton, ——; Chelsea, 25.34; Haverhill, 9.95; Taunton, 12.36; Gloucester, 10.70; Newton, 14.76; Malden, 5.24; Fitchburg, 17.76; Waltham, 15.00; Newburyport, 14.96; Northampton, ——; Quincy, 26.46.

The total death-rate for the week was 17.78 against 19.17 and 20.24 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 16, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Nov 10,	30.01	42.0	44.0	40.0	96	79	88.0	N. E.	N.	17	12	R.	C.	6.30	.39
Monday, 11,	30.17	44.0	52.0	35.0	75	85	80.0	N. W.	W.	4	8	C.	O.	0.50	T.
Tuesday, 12,	30.21	50.0	56.0	44.0	83	87	85.0	S. W.	S. W.	3	9	O.	O.	1.00	.02
Wednes'y, 13,	29.86	51.0	54.0	48.0	87	97	92.0	S. E.	N. E.	5	12	O.	R.	13.15	.30
Thursday, 14,	29.69	56.0	62.0	49.0	84	61	72.0	W.	W.	6	17	C.	C.		.0
Friday, 15,	30.11	34.0	40.0	27.0	62	66	64.0	N. W.	N. W.	18	24	F.	C.		.0
Saturday, 16,	30.57	29.0	37.0	21.0	74	46	75.0	W.	W.	9	7	C.	C.		.0
Week, - -	30.09		49.0	38.0			79.0								1.11

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 23, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING NOVEMBER 23, 1889.

Deaths reported to the State Board of Health in 19 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
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Worcester,	78,292	21	9	4	3	2	..	..
Lowell,	71,518	32	7	9	3	..	5	2
Cambridge,	65,552	22	11	5	4	1	1	3
Fall River,	62,647	14	2	1	3	..	1	..
Lynn,	53,334	12	0	..	4	..	..	..
Springfield,	40,731	11	3	..	..	..	..	..
Lawrence,	40,619	..	..	..	..	..	..	..
New Bedford,	37,253	13	6	3	2	1	..	1
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	14	6	1	2	..	..	1
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	10	..	..	3	..	..	..
Haverhill,	26,058	4	2	1	..	..	..	1
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	5	1	..	1	..	..	..
Newton,	21,553	4	1	..	..	..	..	..
Malden,	19,774	6	0	..	..	..	..	..
Fitchburg,	17,534	..	..	..	..	..	..	..
Waltham,	17,332	3	0	..	..	..	..	..
Pittsfield,	15,502	3	2	3	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	1	0	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	2	2	2	..	..	..	1
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	7	0	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,042,385	352	108	57	48	7	14	25

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 19 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-seven deaths were reported from the principal infectious diseases: diphtheria and croup, 25; typhoid fever, 14; diarrhœal diseases, 7; scarlet-fever, 5; cerebro-spinal meningitis, 2; whooping-cough, 2: erysipelas and small-pox, each 1.

No deaths were reported from malarial fever.

There were 57 deaths from consumption; acute lung diseases, 44; and still-births, 25.

From scarlet-fever: Pittsfield, 3; Lowell and Quincy, 1 each. From cerebro-spinal meningitis: Worcester and Lowell, 1 each. From whooping-cough: Boston and New Bedford, 1 each. From erysipelas: Worcester, 1. From small-pox: Boston, 1.

Deaths from the principal infectious diseases numbered 57 against 43 for the preceding week.

Deaths under five years of age numbered 108 against 117 for the preceding week.

Cases reported in Boston: diphtheria, 30; scarlet-fever, 15; typhoid fever, 10; small-pox, 2; and measles, 1.

The death-rates for the week were: Boston, 23.17; Worcester, 13.86; Lowell, 23.26; Cambridge, 17.38; Fall River, 11.62; Lynn, 11.70: Springfield, 14.04; Lawrence, —— ; New Bedford, 18.07; Holyoke, ——; Somerville, ——; Salem, 21.14; Brockton, ——; Chelsea, 18.10; Haverhill, 7.96; Taunton, —— ; Gloucester, 10.70; Newton, 9.84; Malden, 15.72; Fitchburg, —— ; Waltham, 9.00; Newburyport, 3.74; Northampton, ——; Quincy, 7.56.

The total death-rate for the week was 17.56 against 17.78 and 19.17 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 23, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Nov. 17,	30.405	36.5	48.0	25.0	66	34	W.	S. W.	14	8	C.	C.		.0
Monday, 18,	30.270	38.5	46.0	31.0	45	81	N. W.	N. E.	7	7	O.	C.		.0
Tuesday, 19,	30.035	45.5	48.0	43.0	92	100	N. E.	N. E.	14	36	T.	R.		.45
Wednes'y, 20,	29.750	51.5	56.0	47.0	97	79	N. W.	S.	5	10	T.	C.		.85
Thursday, 21,	29.695	47.5	52.0	43.0	78	93	W.	S. E.	10	8	C.	R.		.10
Friday, 22,	29.365	47.0	51.0	43.0	93	74	N. W.	S. W.	9	12	R.	O.		.30
Saturday, 23,	29.780	47.0	51.0	43.0	85	72	S.	W.	11	8	O.	C.		.0
Week, - -														

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Nov. 30, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING NOVEMBER 30, 1889.

Deaths reported to the State Board of Health in 20 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	152	39	13	26	1	2	10
Worcester,	78,292	19	10	3	1	1	..	2
Lowell,	71,518	23	11	5	1	2	1	2
Cambridge,	65,552	32	10	7	4	1	2	4
Fall River,	62,647	22	5	2	6	1	1	..
Lynn,	53,334	14	0	1	1	..	..	1
Springfield,	40,731	6	4	1	1	..	..	1
Lawrence,	40,619	25	8	8	2	1	2	5
New Bedford,	37,253	13	5	2	1	..	1	1
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	3	0	..	..	..	..	..
Salem,	29,011	6	3	..	..	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	12	0	2	1	..	..	1
Haverhill,	26,058	12	1	1	6	..	..	1
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	11	2	1	2	..	..	..
Newton,	21,553	5	0	1	1	..	..	1
Malden,	19,774	3	1	..	2	..	..	..
Fitchburg,	17,534	..	..	..	..	..	..	..
Waltham,	17,332	4	3	1	3	..	..	1
Pittsfield,	15,502	2	1	2	..	..	..	1
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	0	0	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	..	..	..	..	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	3	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,103,694	367	104	50	58	7	9	31

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 20 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty deaths were reported from the principal infectious diseases: diphtheria and croup, 31; typhoid fever, 9; diarrhœal diseases, 7; cerebro-spinal meningitis, 2; scarlet-fever, 1.

No deaths were reported from small-pox and malarial fevers.

There were 58 deaths from consumption; acute lung diseases, 51; and still-births, 26.

From cerebro-spinal meningitis: Chelsea and Gloucester, 1 each. From scarlet-fever: Pittsfield, 1.

Deaths from the principal infectious diseases numbered 50 against 57 for the preceding week.

Deaths under five years of age numbered 104 against 108 for the preceding week.

Cases reported in Boston: diphtheria, 34; scarlet-fever, 6; typhoid fever, 2; and measles, 1.

The death-rates for the week were: Boston, 20.11; Worcester, 12.54; Lowell, 16.72; Cambridge, 25.28; Fall River, 18.26; Lynn, 13.65; Springfield, 7.66; Lawrence, 31.87; New Bedford, 18.07; Holyoke, ——; Somerville, 4.53; Salem, 10.74; Brockton, ——; Chelsea, 21.72; Haverhill, 23.88; Taunton, ——; Gloucester, 23.54; Newton, 12.30; Malden, 4.86; Fitchburg, ——; Waltham, 12.00; Newburyport, ——; Northampton, ——; Quincy, ——.

The total death-rate for the week was 17.20 against 17.56 and 17.78 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Nov. 30, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Nov. 24,	30.16	45.0	51.0	39.0	69	63	66.0	W.	S. W.	16	14	C.	O.		.0
Monday, 25,	30.21	46.0	50.0	42.0	72	58	65.0	S. W.	N. W.	9	18	O.	O.		.0
Tuesday, 26,	30.58	34.0	41.0	28.0	68	54	61.0	N. W.	N. W.	10	8	C.	F.		.0
Wednes'y, 27,	30.45	35.0	40.0	30.0	100	88	94.0	N.	E.	8	35	N.	R.	2.00	.07
Thursday, 28,	29.65	50.0	60.0	40.0	100	67	84.0	S. E.	S. W.	17	20	R.	C.	15.55	1.63
Friday, 29,	29.84	40.0	46.0	34.0	67	63	65.0	S.	S. W.	8	12	C.	C.		.0
Saturday, 30,	30.21	32.0	36.0	29.0	70	58	64.0	W.	W.	14	12	O.	C.		.0
Week, - -	30.14		46.0	34.0			71.0								

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 7, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING DECEMBER 7, 1889.

Deaths reported to the State Board of Health in 19 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Consumption.	Typhoid Fever.	Whooping Cough.	Diphtheria and Croup.
Boston,	413,567	153	56	25	24	4	2	15
Worcester,	78,292	29	8	3	6	1	..	2
Lowell,	71,518	39	13	7	5	3	..	3
Cambridge,	65,552	22	6	3	5	..	..	3
Fall River,	62,647	30	8	4	6	1	1	1
Lynn,	53,334	18	0	..	3	..	..	..
Springfield,	40,731	14	4	2	..	..	1	1
Lawrence,	40,619	14	5	5	1	2	..	3
New Bedford,	37,253	13	3	2	2	1	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	..	..	..	..	..	..	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	7	1	1	1	1	..	..
Haverhill,	26,058	4	0	..	1	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	8	3	..	1	..	..	..
Newton,	21,553	..	..	..	..	..	..	..
Malden,	19,774	2	0	..	2	..	..	..
Fitchburg,	17,534	9	0	..	1	..	..	..
Waltham,	17,332	2	0	..	..	..	..	..
Pittsfield,	15,502	3	2	2	..	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	8	1	..	4	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	8	2	1	1	..	..	1
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	1	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Consumption.	Typhoid Fever.	Whooping Cough.	Diphtheria and Croup.
Total of reporting towns,	1,049,974	384	112	55	63	13	4	29

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 19 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-five deaths were reported from the principal infectious diseases: diphtheria and croup, 29; typhoid fever, 13; whooping-cough, 4; scarlet fever, 4; diarrhœal diseases, 4; cerebro-spinal meningitis, 1.

No deaths were reported from small-pox and malarial fevers.

There were 63 deaths from consumption; acute lung diseases, 49; and still-births, 23.

From scarlet fever: Boston and Pittsfield, 2 each. From diarrhœal diseases: Boston, 2; Lowell and New Bedford, 1 each. From cerebro-spinal meningitis: Fall River, 1.

Deaths from the principal infectious diseases, 55, the same as for the preceding week.

Deaths under five years of age numbered 112 against 104 for the preceding week.

Cases reported in Boston: diphtheria, 34; typhoid fever, 16; scarlet fever, 14; and measles, 1.

The death-rates for the week were: Boston, 19.23; Worcester, 19.14; Lowell, 28.35; Cambridge, 17.83; Fall River, 24.90; Lynn, 17.55; Springfield, 17.80; Lawrence, 17.91; New Bedford, 18.07; Holyoke, ——; Somerville, ——; Salem, ——; Brockton, ——; Chelsea, 12.67; Haverhill, 7.96; Taunton, ——; Gloucester, 17.12; Newton, ——; Malden, 5.24; Fitchburg, 26.64; Waltham, 6.00; Newburyport, 29.92; Northampton, ——; Quincy, 24.24.

The total death-rate for the week was 19.01 against 17.20 and 17.56 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.			VELOCITY OF WIND.			STATE OF WEATHER.*			RAIN-FALL.	
Week ending Saturday, Dec. 7, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.		MEAN.	8 A. M.	8 P. M.		8 A. M.	8 P. M.		8 A. M.	8 P. M.		HOURS DURATION.	AMOUNT IN INCHES.
Dec. Sunday, 1,	30.40	30.0	36.0	25.0	62	47		55.0	W.	S. W.		12	12		C.	C.			.0
Monday, 2,	30.02	43.0	51.0	35.0	44	50		47.0	S. W.	S. W.		23	12		O.	O.			.0
Tuesday, 3,	30.05	34.0	44.0	24.0	74	56		60.0	N. W.	N.		8	20		O.	F.			.0
Wednes'y, 4,	30.46	15.0	20.0	10.0	93	65		79.0	N.	N. W.		21	10		N.	O.			.0
Thursday, 5,	30.25	29.0	39.0	18.0	76	91		84.0	S.	S.		6	9		F.	R.			.0
Friday, 6,	29.95	37.0	42.0	32.0	82	53		68.0	W.	N. W.		13	12		C.	C.			.0
Saturday, 7,	30.04	38.0	50.0	26.0	64	25		45.0	S. W.	S. W.		10	10		C.	C.		20†	0.13†
Week, - -	30.17	32.3	40.3	24.3	70.7	55.3		62.6	W.	S. W.		13	12						

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

† Total for week.

MONTHLY MORTALITY

In the 20 smaller towns of Massachusetts as reported to the State Board of Health for the month of November.

The total death-rate of reporting towns for the month was 14.06.

TOWNS.	Estimated Population.	Reported Deaths in each.	Deaths under five years of age.	Deaths from				
				Infectious Diseases.	Consumption.	Typhoid Fever.	Diphtheria and Croup.	Cerebro-Spinal Meningitis.
Hyde Park,	9,468	..	..	..	..	..	..	..
Plymouth,	7,633	..	..	..	..	..	..	..
Wakefield,	6,382	1	0	..	1	..	..	..
Andover,	5,985	..	..	..	..	..	..	..
Stoneham,	5,957	8	1	1	..	1	..	..
Middleborough,	5,737	4	0	..	..	..	..	..
Winchester,	5,098	6	2	3	..	3	..	..
Arlington,	5,039	..	..	..	..	..	..	..
West Springfield,	4,784	6	2	1	1	..	1	..
Revere,	4,675	..	..	..	..	..	..	..
Provincetown,	4,580	..	..	..	..	..	..	..
Hingham,	4,375	5	0	1	..	1	..	..
Amherst,	4,310	..	..	..	..	..	..	..
Concord,	4,310	7	1	..	1	..	..	..
Whitman,	4,264	..	..	..	..	..	..	..
Braintree,	4,188	..	..	..	..	..	..	..
Hudson,	4,185	8	2	3	1	2	..	1
Randolph,	3,807	6	1	..	2	..	..	..
Northbridge,	3,786	..	..	..	..	..	..	..
No. Andover,	3,585	..	..	..	..	..	..	..
Mansfield,	3,064	..	..	..	..	..	..	..
Leicester,	2,987	1	1	..	..	..	..	..
Fairhaven,	2,915	..	..	..	..	..	..	..
Nantucket,	2,912	4	0	..	1	..	..	..
Wrentham,	2,852	..	..	..	..	..	..	..
Swampscott,	2,630	..	..	..	..	..	..	..
Merrimac,	2,461	1	0	..	..	..	..	..
Chelmsford,	2,304	..	..	..	..	..	..	..
Dalton,	2,240	3	2	..	..	..	..	..
Cohasset,	2,230	..	..	..	..	..	..	..
Northborough,	2,095	..	..	..	..	..	..	..
Ashburnham,	2,058	..	..	..	..	..	..	..
Groton,	2,037	3	0	..	..	..	..	..
Longmeadow,	1,787	4	2	1	..	..	1	..
Conway,	1,573	3	1	..	..	..	..	..
Shrewsbury,	1,400	2	0	..	..	..	..	..
Huntington,	1,309	..	..	..	..	..	..	..
Topsfield,	1,141	2	0	..	..	..	..	..
Truro,	972	1	0	..	..	..	..	..
Burlington,	604	1	0	..	..	..	..	..
Heath,	575	..	..	..	..	..	..	..
Total of reporting towns,	64,849	76	15	10	7	7	2	1

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 14, 1889.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING DECEMBER 14, 1889.

Deaths reported to the State Board of Health in 23 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	153	41	25	21	2	1	11
Worcester,	78,292	22	6	5	3	1	..	3
Lowell,	71,518	42	15	12	3	3	2	7
Cambridge,	65,552	19	4	4	4	1	..	3
Fall River,	62,647	16	5	..	4	..	..	..
Lynn,	53,334	12	0	1	1	..	..	1
Springfield,	40,731	13	4	2	2	..	..	2
Lawrence,	40,619	19	9	6	1	..	1	5
New Bedford,	37,253	9	4	..	2	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	14	1	1	..	..	1	..
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	6	1	..	2	..	..	..
Haverhill,	26,058	9	2	1	2	..	..	1
Taunton,	25,170	7	0	1	..	..	..	1
Gloucester,	24,263	1	0	..	..	..	..	..
Newton,	21,553	3	1	1	1	..	..	1
Malden,	19,774	5	1	1	..	..	..	1
Fitchburg,	17,534	6	2	..	..	..	..	..
Waltham,	17,332	2	0	..	..	..	..	..
Pittsfield,	15,502	5	2	1	1	..	..	1
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	6	3	..	2	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	5	1	1	..	..	..	1
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	4	2	..	1	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	5	2	..	1	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,137,749	383	106	62	51	7	5	38

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 23 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty-two deaths were reported from the principal infectious diseases: diphtheria and croup, 38; diarrhœal diseases, 7; typhoid fever, 5; scarlet fever, cerebro-spinal meningitis and erysipelas, each one.

No deaths were reported from small-pox and malarial fever.

There were 51 deaths from acute lung diseases; consumption, 43; and still-births, 30.

From scarlet fever: Boston, 1. From cerebro-spinal meningitis: Worcester, 1. From erysipelas: Boston, 1.

Deaths from the principal infectious diseases numbered 62 against 55 for the preceding week.

Deaths under five years of age numbered 106 against 112 for the preceding week.

Cases reported in Boston: diphtheria, 32; typhoid fever, 15; scarlet fever, 12; and measles, 1.

The death-rates for the week were: Boston, 19.13; Worcester, 14.52; Lowell, 30.53; Cambridge, 15.01; Fall River, 13.28; Lynn, 11.70; Springfield, 16.59; Lawrence, 24.30; New Bedford, 11.51; Holyoke, ——; Somerville, ——; Salem, 25.06; Brockton, —— ; Chelsea, 10.86; Haverhill, 17.91; Taunton, 14.42; Gloucester, 2.14; Newton, 7.38; Malden, 13.10; Fitchburg, 17.76; Waltham, 6.00; Newburyport, 22.44; Northampton, ——; Quincy, 18.90.

The total death-rate for the week was 17.50 against 19.01 and 17.20 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.			DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 14, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Dec. 8,	30.21	43.0	52.0	34.0	82	83	82.0	S. W.	S. E.	3	9	C.	R.	1.00	T.
Monday, 9,	30.12	55.0	62.0	48.0	94	69	82.0	S. W.	S. W.	18	8	R.	C.	14.30	.25
Tuesday, 10,	30.36	42.0	45.0	39.0	68	85	76.0	N. W.	E.	13	16	C.	O.		.0
Wednes'y, 11,	29.88	48.0	54.0	42.0	100	58	79.0	S. E.	W.	11	21	F.	O.	3.00	.22
Thursday, 12,	30.07	42.0	47.0	38.0	66	43	54.0	W.	W.	15	7	C.	O.		.0
Friday, 13,	29.95	44.0	53.0	34.0	65	50	58.0	S. W.	W.	14	17	O.	F.	0.10	T.
Saturday, 14,	30.22	22.0	24.0	19.0	61	93	77.0	N. W.	N.	8	15	O.	N.	6.45	.20†
Week, - -	30.11		48.0	36.0			72.0								.67‡

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.
† Snow. ‡ Total.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 21, 1889,

AND

MONTHLY BULLETIN

OF

Food and Drug Inspection

For the Month of November.

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING DECEMBER 21, 1889.

Deaths reported to the State Board of Health in 19 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Whooping Cough.	Diphtheria and Croup.
Boston,	413,567	193	53	25	31	3	1	..
Worcester,	78,292	22	8	3	1	..	1	..
Lowell,	71,518	32	11	6	3	2	..	1
Cambridge,	65,552	29	7	4	1	1	..	3
Fall River,	62,647	18	6	2	2	..	2	..
Lynn,	53,334	..	..	..	..	..	..	..
Springfield,	40,731	3	1	2	..	..	..	1
Lawrence,	40,619	22	7	6	1	1	..	5
New Bedford,	37,253	9	1	..	..	..	..	..
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	13	3	1	2	..	..	1
Brockton,	28,813	..	..	..	..	..	..	..
Chelsea,	28,167	..	..	..	..	..	..	..
Haverhill,	26,058	7	1	1	1	1	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	8	2	..	2	..	..	..
Newton,	21,553	4	1	1	..	..	..	..
Malden,	19,774	5	0	1	..	..	..	1
Fitchburg,	17,534	5	2	..	..	..	..	..
Waltham,	17,332	7	0	2	1	..	1	1
Pittsfield,	15,502	1	1	1	..	..	..	1
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	3	0	..	1	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	3	0	1	..	..	..	..
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	..	..	..	..	..	..	..
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	4	0	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Typhoid Fever.	Whooping Cough.	Diphtheria and Croup.
Total of reporting towns,	1,002,979	388	104	56	46	8	5	14

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 19 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Fifty-six deaths were reported from the principal infectious diseases: diphtheria and croup, 14; typhoid fever, 8; whooping cough, 5; cerebro-spinal meningitis, 4; scarlet fever, 3; diarrhœal diseases, 2.

No deaths were reported from small-pox and malarial fever.

There were 46 deaths from acute lung diseases; consumption, 44; and still-births, 31.

From cerebro-spinal meningitis: Worcester, 2; Newton and Quincy, 1 each. From scarlet fever: Lowell, 3. From diarrhœal diseases: Boston and Springfield, 1 each.

Deaths from the principal infectious diseases numbered 56 against 62 for the preceding week.

Deaths under five years of age numbered 104 against 106 for the preceding week.

Cases reported in Boston: diphtheria, 47; typhoid fever, 17; scarlet fever, 10; and measles, 2.

The death-rates for the week were: Boston, 24.26; Worcester, 14.52; Lowell, 23.26; Cambridge, 22.91; Fall River, 14.94; Lynn, —— ; Springfield, 3.83; Lawrence, 28.14; New Bedford, 12.51; Holyoke, ——; Somerville, ——; Salem, 23.27; Brockton, —— ; Chelsea, —— ; Haverhill, 13.93; Taunton, —— ; Gloucester, 17.12; Newton, 9.84; Malden, 13.10; Fitchburg, 14.80; Waltham, 21.00; Newburyport, 11.22; Northampton, ——; Quincy, 11.34.

The total death-rate for the week was 20.11 against 17.50 and 19.01 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROM-ETER.	THER-MOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 21, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Dec. 15,	30.28	22.0	27.0	16.0	79	77	78.0	N. W.	S. W.	7	10	O.	F.		.0
Monday, 16,	30.28	30.0	38.0	23.0	77	80	78.0	W.	S.	10	10	C.	C.		.0
Tuesday, 17,	30.28	36.0	42.0	31.0	74	84	78.0	S. W.	N. E.	7	7	O.	O.		.0
Wednes'y, 18,	30.28	42.0	44.0	40.0	94	96	95.0	E.	E.	12	6	O.	R.		.0
Thursday, 19,	29.93	46.0	52.0	40.0	96	74	85.0	N. W.	W.	9	12	O.	C.		.0
Friday, 20,	29.86	48.0	58.0	39.0	77	85	81.0	S. W.	S. W.	11	18	C.	O.		.0
Saturday, 21,	30.15	42.0	48.0	37.0	56	57	56.0	W.	W.	13	10	C.	C.		0.44
Week, - -														22.0†	

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.

† Total duration.

INSPECTION OF FOOD AND DRUGS.

The following summary presents the results of the examinations of Food and Drugs by the State Board of Health in the month of November: —

ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.	ARTICLES EXAMINED.	Number found to be of good quality.	Number adulterated or varying from the legal standard.	TOTAL.
Milk,	141	85	226	Molasses,	18	6	24
Butter,	31	10	41	Honey,	1	2	3
Cheese,	3	..	3	Vinegar,	5	4	9
Lard,	..	2	2	Canned Goods,	..	..	..
Olive Oil,	1	1	2	Tea,	6	..	6
Spices,	32	5	37	Coffee,	1	1	2
Cream of Tartar,	18	1	19	Confectionery,	1	..	1
Syrups,	..	..	..	Other articles of Food and Drinks,	1	1	2
Maple Syrup,	..	..	..	Drugs,	17	8	25
Maple Sugar,	2	1	3	Totals,	278	127	405

Percentage of adulteration, 31.4. The actual ratio of adulteration is very much less than this, since it is only suspicious articles of food to which the attention of the Board is directed. Certain staple products, such as sugar, flour, and the various other cereal products, are very rarely adulterated and require but little inspection. The work of the Board is therefore mainly devoted to the inspection of such articles as it has found, by several years of experience, to be especially liable to adulteration. The percentage of adulteration of articles of food, not including milk, was only 23.5. The percentage of samples of milk below the standard of 13 per cent. of solids was 37.6, but 25.2 per cent. of the entire number were found to have between 12 and 13 per cent. of solids, so that the actual number below 12 per cent. was very small.

Twelve complaints were entered in the courts during the month for violation of the statutes relative to Food Inspection. Five were for illegal sale of milk, and seven of butter.

In eleven of these cases the defendants were convicted.

The samples of drugs examined were Tincture of Nux Vomica, Salts of Quinine, Citrate of Quinine and Iron, Extract of Licorice, Spices, Chloroform, Bismuth Subcarb., Solution of Citrate of Magnesia, Distilled Spirits, Compound Spirits of Ether, Bitartrate of Potass., Powdered Rhubarb, Powdered Opium, and Lycopodium.

The adulterated samples were Citrate of Iron and Quinine, Powdered Opium, Tincture of Nux Vomica, Distilled Spirits and Compound Spirits of Ether.

The adulterated samples of butter were oleomargarine, and those of molasses were mixtures of glucose.

The cities and towns from which samples of food were collected during the month were as follows: — Boston, Worcester, Springfield, Cambridge, Fall River, Lowell, Lynn, Lawrence, Newton, Northampton, Waltham, Woburn, Somerville, Quincy, Westborough, Southborough, Hyde Park, Brookline. Beverly, Lexington, Stow, Sudbury and Amesbury.

An article bearing the name of Radam's Microbe Killer, professing to be a disinfectant and a remedy in disease, was submitted to analysis and found to be a cheap solution of sulphurous acid with other ingredients having little or no disinfectant or therapeutic value.

Weekly Return of Mortality

—OF—

MASSACHUSETTS

FOR THE

Week ending Saturday, Dec. 28, 1889,

PUBLISHED BY ORDER OF THE

STATE BOARD OF HEALTH.

MORTALITY OF MASSACHUSETTS

FOR THE WEEK ENDING DECEMBER 28, 1889.

Deaths reported to the State Board of Health in 21 Cities and Greater Towns.

The number of deaths *reported* each week does not exactly correspond with the number which *occurred* during that week, but the discrepancy is a slight one in most cases. The mortality report will in future be published weekly, and will contain the returns from all cities and towns having a population of more than 10,000 inhabitants. A monthly report will also be issued, to contain the returns from all reporting towns for the month.

We shall esteem it a great favor if all reporting towns will send us their returns weekly, as heretofore, upon postal cards provided for the purpose. A supply of these cards will be sent to any town clerk or health officer who has charge of such returns and is willing to comply with this request.

CITIES AND TOWNS.	Estimated Population.	Reported Deaths in Each.	Deaths under five years.	Deaths From				
				Principal Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Boston,	413,567	232	63	29	47	5	2	20
Worcester,	78,292	26	13	5	7	2	..	3
Lowell,	71,518	42	14	7	8	3	1	2
Cambridge,	65,552	24	4	3	1	..	1	2
Fall River,	62,647	32	15	2	5	2	..	..
Lynn,	53,334	13	..	..	1	..	..	..
Springfield,	40,731	16	3	1	4	..	..	1
Lawrence,	40,619	21	5	5	3	..	2	3
New Bedford,	37,253	18	7	3	1	..	..	2
Holyoke,	35,872	..	..	..	..	..	..	..
Somerville,	34,418	..	..	..	..	..	..	..
Salem,	29,011	9	2	1	1	..	..	1
Brockton,	28,813	5	2	1	1	..	..	1
Chelsea,	28,167	9	..	..	1	..	..	..
Haverhill,	26,058	12	2	..	2	..	..	..
Taunton,	25,170	..	..	..	..	..	..	..
Gloucester,	24,263	..	..	..	..	..	..	..
Newton,	21,553	..	..	..	..	..	..	..
Malden,	19,774	11	7	..	3	..	..	..
Fitchburg,	17,534	7	3	1	..	..	..	..
Waltham,	17,332	1	0	..	..	..	..	..
Pittsfield,	15,502	1	1	..	1	..	..	..
Attleborough,	15,425	..	..	..	..	..	..	..
Newburyport,	13,875	5	0	..	..	..	..	..
Northampton,	13,726	..	..	..	..	..	..	..
Quincy,	13,728	5	1	1	..	..	..	1
Woburn,	12,822	..	..	..	..	..	..	..
Marlborough,	12,049	..	..	..	..	..	..	..
Chicopee,	12,041	7	2	1	..	..	..	1
Weymouth,	11,140	..	..	..	..	..	..	..
Brookline,	10,328	..	..	..	..	..	..	..
Peabody,	10,228	4	1	..	..	..	..	..

RECAPITULATION.

	Population.	Deaths.	Deaths under five.	Infectious Diseases.	Acute Lung Diseases.	Diarrhœal Diseases.	Typhoid Fever.	Diphtheria and Croup.
Total of reporting towns,	1,095,576	500	145	60	86	12	6	37

REPORTED DEATHS FROM PREVALENT DISEASES IN THE 21 CITIES AND LARGER TOWNS OF MASSACHUSETTS.

Sixty deaths were reported from the principal infectious diseases: diphtheria and croup, 37; diarrhœal diseases, 12; typhoid fever, 6; whooping cough, 3; scarlet fever and erysipelas, each 1.

No deaths were reported from small-pox and malarial fever.

There were 86 deaths from acute lung diseases; consumption, 75; and still-births, 21.

From whooping cough: Boston, New Bedford and Fitchburg, 1 each. From scarlet fever: Lowell, 1. From erysipelas, Boston, 1.

Deaths from the principal infectious diseases numbered 60 against 56 for the preceding week.

Deaths under five years of age numbered 145 against 104 for the preceding week.

Cases reported in Boston: diphtheria, 36; scarlet fever, 11; typhoid fever, 11; and measles, 3.

The death-rates for the week were: Boston, 29.16; Worcester, 17.16; Lowell, 30.53; Cambridge, 18.96; Fall River, 26.56; Lynn, 12.67; Springfield, 20.42; Lawrence, 26.86; New Bedford, 25.02; Holyoke, ——; Somerville, ——; Salem, 16.11; Brockton, 9.00; Chelsea, 16.29; Haverhill, 23.88; Taunton, ——; Gloucester, ——; Newton, ——; Malden, 28.82; Fitchburg, 20.72; Waltham, 3.00; Newburyport, 18.70; Northampton, ——; Quincy, 18.90.

The total death-rate for the week was 23.74 against 20.11 and 17.50 for the previous two weeks.

(SIGNED) S. W. ABBOTT, M.D., *Secretary of the State Board of Health.*

The Meteorological Record for the Week, in Boston, was as follows:

DATE.	BAROMETER.	THERMOMETER.			RELATIVE HUMIDITY.		DIRECTION OF WIND.		VELOCITY OF WIND.		STATE OF WEATHER.*		RAIN-FALL.	
Week ending Saturday, Dec. 28, 1889.	MEAN.	MEAN.	MAXIMUM.	MINIMUM.	8 A. M.	8 P. M.	MEAN.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	8 A. M.	8 P. M.	HOURS DURATION.	AMOUNT IN INCHES.
Sunday, Dec. 22,	30.075	37.0	44.0	30.0	72	88	80.0	E.	W.	8	12	O.	F.		.18
Monday, 23,	30.305	39.5	43.0	36.0	53	51	52.0	N. W.	N. W.	10	12	C.	C.		.0
Tuesday, 24,	30.320	37.0	44.0	30.0	64	72	68.0	W.	S. E.	4	5	F.	O.		T.
Wednes'y, 25,	29.815	52.0	65.0	39.0	86	33	59.5	S. W.	W.	12	16	C.	C.		.35
Thursday, 26,	29.435	46.5	55.0	38.0	57	46	51.5	S. W.	W.	10	40	O.	C.		.02
Friday, 27,	29.720	31.0	34.0	28.0	47	43	45.0	W.	W.	24	12	C.	C.		.0
Saturday, 28,	30.040	35.5	43.0	28.0	68	64	66.0	W.	N. W.	8	8	C.	C.		.0
Week, - -															

* O., Cloudy; C., Cloudless; F., Partly Cloudy; G., Fog; H., Hazy; S., Smoky; R., Rain; T., Threatening; N., Snow.